

State of California
The Resources Agency

DEPARTMENT OF WATER RESOURCES
Division of Operations and Maintenance

STATE WATER PROJECT OPERATIONS DATA

For the month of:
February
2009

Edmund G. Brown Jr.
Governor
State of California

John Laird
Secretary for Resources
The Resources Agency

Mark Cowin
Director
Department of Water Resources

This monthly report of operational data for the State Water Project has been published since January 1965. Monthly SWP Operations Data Reports from January 1990 have been made available on the Internet at <http://www.water.ca.gov/swp/operationscontrol/projectwide.cfm>. It provides the State Water Service Contractors, public agencies, consultants and others with the daily and monthly status of the Project's water and power operations.

Revisions to these data will appear in the Annual Report of Operations reflecting corrections made after the monthly summaries have been printed.

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State of California
Department of Water Resources
P.O. Box 942836
Sacramento, CA 94236-0001

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Department of Water Resources
SUSAN SIMS, Chief Deputy Director

DALE HOFFMAN-	CARL	GARY	KATHIE	VACANT
FLOERKE	TORGERSSEN	BARDINI	KISHABA	Deputy Director
Deputy Director	Deputy Director	Deputy Director	Deputy Director	

DIVISION OF OPERATIONS AND MAINTENANCE

David Starks..... Chief, Division of Operations and Maintenance

This report was prepared under the direction of

David Roose..... Office Chief, Operations Control Office

John Leahigh..... Principal Engineer, Water Operations office

Tracy Hinojosa Branch Chief, Regulatory Compliance and Reporting Branch

By the Reporting Section

Guy Masier..... Section Chief, Reporting Section

Michael Nolasco..... Water Resources Engineering Associate (Specialist)

Mary Valdez Water Resources Engineering Associate (Specialist)

The organization shown above represents staff and positions relevant to this report as of publication date on May 2012. It is the Department's policy to not show staff in "Acting" or "Temporary" positions.

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MONTHLY HIGHLIGHTS

The following activities highlight actions that affected State Water Project operations during February 2009.

Statewide precipitation was about 80 percent of average for the water-year through February 29. Precipitation percentages are used in this report to express historical and regional comparisons. Additional and more specific information is available on the internet at http://cdec.water.ca.gov/snow_rain.html

Snow pack water content for February 2009 was about 80 percent of average compared to 130 percent at this time in 2008. This was about 70 percent of the April 1 average, the normal date of maximum accumulation.

Snowpack and Statewide Runoff data is compiled four times annually, for the months of January, February, March, and April by the California Department of Water Resources in Bulletin 120. The Bulletin also contains forecasts of seasonal runoff volume from the state's major watersheds, summaries of precipitation, and reservoir storages in various regions of the State. Runoff for February was 45 percent of average compared to 60 percent at this time in 2008. Cumulative unimpaired runoff for the 2008-09 water year for the Sacramento River Region was 4.1 maf, 48 percent of average.

Statewide reservoir storage was 70 percent of average to date. Total storage in major SWP reservoirs at the end of February 2009 was about 2.41 maf compared to 2.95 maf at this time in 2008. On February 29, 2009, end-of-month storage at Lake Oroville was about 1.36 maf, as compared to 1.45 maf at this time in 2008. The State share of San Luis Reservoir's end-of-month storage was about 478 taf, as compared with 912 taf at this time in 2008. The combined storage in SWP's southern reservoirs was about 571 taf, compared with about 583 taf at this time in 2008.

SWP water deliveries to date through February 2009 were about 150 taf. Water deliveries are a combination of project, transfer, and exchange classifications. Total deliveries through this same period in 2008 were 240 taf.

On February 18, by mutual agreement between the United States Bureau of Reclamation and the California Department of Water Resources, "Excess" Conditions were declared in the Delta in accordance with Article 6(h) of the COA. "Excess" conditions remained throughout the end of the month, with restrictions due to fish concerns. Excess conditions exist when upstream reservoir releases plus unregulated natural flow exceed Sacramento Valley in-basin uses, plus exports.

On February 10, Southern Field Division reported LA County Sheriff's Department was on scene at Aqueduct pool 50 to recover a floating vehicle. Sheriff's diver reported no occupants in the vehicle and that the vehicle had been in the water for a long period of time. On February 25, the Fish Facility reported gates 3A and 3B had been closed for unknown reasons. This caused Banks Forebay surface elevation to drop to -4.7 feet. Banks Plant was off schedule for 20 minutes until the gates were re-opened.

Table 1. Antelope Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 22,566 ac-ft

February 2009

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage	Total Outflow		
				Stream-flow Maint.	Water Supply Contract	Water Right					
Jan 31	4991.76	14,181									
1	4991.79	14,202	21	8	0	0	0	1	9	20	
2	4991.82	14,224	22	5	0	0	0	1	6	17	
3	4991.84	14,238	14	5	0	0	0	1	6	13	
4	4991.87	14,259	21	5	0	0	0	1	6	17	
5	4991.92	14,294	35	5	0	0	0	1	6	24	
6	4991.95	14,316	22	5	0	0	0	1	6	17	
7	4991.99	14,344	28	5	0	0	0	1	6	20	
8	4992.04	14,380	36	5	0	0	0	1	6	24	
9	4992.07	14,401	21	5	0	0	0	1	6	17	
10	4992.11	14,430	29	5	0	0	0	1	6	21	
11	4992.16	14,465	35	5	0	0	0	1	6	24	
12	4992.17	14,473	8	5	0	0	0	1	6	10	
13	4992.23	14,516	43	5	0	0	0	1	6	28	
14	4992.26	14,537	21	5	0	0	0	1	6	17	
15	4992.32	14,580	43	5	0	0	0	1	6	28	
16	4992.34	14,594	14	5	0	0	0	1	6	13	
17	4992.38	14,623	29	5	0	0	0	1	6	21	
18	4992.39	14,630	7	5	0	0	0	1	6	10	
19	4992.42	14,652	22	5	0	0	0	1	6	17	
20	4992.44	14,666	14	5	0	0	0	1	6	13	
21	4992.48	14,695	29	5	0	0	0	1	6	21	
22	4992.62	14,797	102	5	0	0	0	1	6	57	
23	4993.08	15,132	335	5	0	0	0	1	6	175	
24	4993.51	15,451	319	5	0	0	0	1	6	167	
25	4993.74	15,622	171	5	0	0	0	1	6	92	
26	4993.97	15,795	173	5	0	0	0	1	6	93	
27	4994.10	15,894	99	5	0	0	0	1	6	56	
28	4994.24	16,000	106	5	0	0	0	2	7	60	
Total cfs-days				---	143	0	0	0	29	172	1,089
Total ac-ft				1,819	284	0	0	0	57	341	2,160

Table 2. Frenchman Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 55,477 ac-ft

February 2009

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs					Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage		
				Stream-flow Maint.	1/ Water Supply Contract	Water Right				
Jan 31	5564.60	25,753								
1	5564.60	25,753	0	2	0	0	0	2	4	
2	5564.62	25,772	19	2	0	0	0	2	4	
3	5564.62	25,772	0	2	0	0	0	2	4	
4	5564.64	25,792	20	2	0	0	0	2	4	
5	5564.64	25,792	0	2	0	0	0	2	4	
6	5564.66	25,811	19	2	0	0	0	2	4	
7	5564.66	25,811	0	2	0	0	0	2	4	
8	5564.66	25,811	0	2	0	0	0	1	3	
9	5564.68	25,831	20	2	0	0	0	1	3	
10	5564.69	25,841	10	2	0	0	0	1	3	
11	5564.70	25,851	10	2	0	0	0	1	3	
12	5564.70	25,851	0	2	0	0	0	1	3	
13	5564.70	25,851	0	2	0	0	0	1	3	
14	5564.72	25,870	19	2	0	0	0	1	3	
15	5564.76	25,910	40	2	0	0	0	1	3	
16	5564.76	25,910	0	2	0	0	0	1	3	
17	5564.78	25,929	19	2	0	0	0	1	3	
18	5564.78	25,929	0	2	0	0	0	1	3	
19	5564.78	25,929	0	2	0	0	0	1	3	
20	5564.78	25,929	0	2	0	0	0	1	3	
21	5564.77	25,919	-10	2	0	0	0	1	3	
22	5564.88	26,028	109	2	0	0	0	1	3	
23	5565.04	26,186	158	2	0	0	0	1	3	
24	5565.08	26,225	39	2	0	0	0	1	3	
25	5565.09	26,235	10	2	0	0	0	1	3	
26	5565.13	26,275	40	2	0	0	0	1	3	
27	5565.15	26,295	20	2	0	0	0	1	3	
28	5565.15	26,295	0	2	0	0	0	1	3	
Total cfs-days				---	56	0	0	35	91	
Total ac-ft				542	111	0	0	69	180	
1/ Last Chance Creek Water District.										

Table 3. Lake Davis

Daily Operation

(in acre-feet except as noted)

Capacity: 84,371 ac-ft

February 2009

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage	Total Outflow		
				Stream-flow Maint.	Water Right 1/	Water Supply Contract					
Jan 31	5761.35	39,091									
1	5,761.34	39,065	-26	10	0.2	0	0	4	14	1	
2	5,761.33	39,039	-26	10	0.2	0	0	4	14	1	
3	5,761.33	39,039	0	10	0.2	0	0	4	14	14	
4	5,761.32	39,013	-26	10	0.2	0	0	4	14	1	
5	5,761.32	39,013	0	10	0.2	0	0	4	14	14	
6	5,761.32	39,013	0	10	0.2	0	0	4	14	14	
7	5,761.32	39,013	0	10	0.2	0	0	4	14	14	
8	5,761.30	38,961	-52	10	0.2	0	0	4	14	-12	
9	5,761.34	39,065	104	10	0.2	0	0	4	14	66	
10	5,761.35	39,091	26	10	0.2	0	0	3	13	26	
11	5,761.34	39,065	-26	10	0.2	0	0	3	13	0	
12	5,761.33	39,039	-26	10	0.2	0	0	3	13	0	
13	5,761.34	39,065	26	10	0.2	0	0	3	13	26	
14	5,761.37	39,143	78	10	0.2	0	0	3	13	52	
15	5,761.46	39,378	235	10	0.2	0	0	3	13	131	
16	5,761.46	39,378	0	10	0.2	0	0	3	13	13	
17	5,761.48	39,430	52	10	0.2	0	0	3	13	39	
18	5,761.48	39,430	0	10	0.2	0	0	3	13	13	
19	5,761.48	39,430	0	10	0.2	0	0	3	13	13	
20	5,761.46	39,378	-52	10	0.2	0	0	3	13	-13	
21	5,761.44	39,326	-52	10	0.2	0	0	3	13	-13	
22	5,761.54	39,588	262	10	0.2	0	0	3	13	145	
23	5,761.69	39,956	368	10	0.2	0	0	3	13	199	
24	5,761.75	40,140	184	10	0.2	0	0	3	13	106	
25	5,761.82	40,325	185	10	0.2	0	0	3	13	106	
26	5,761.87	40,458	133	10	0.2	0	0	3	13	80	
27	5,761.90	40,538	80	10	0.2	0	0	3	13	53	
28	5,761.91	40,565	27	10	0.2	0	0	3	13	27	
Total cfs-days				---	274	6	0	0	93	373	1,116
Total ac-ft				1,474	544	11	0	0	184	739	2,213

1/ Includes unclassified non-project diversions to local agencies (Valberti and Romelli).

Table 4. Lake Oroville

Daily Operation

(in acre-feet except as noted)

Capacity: 3,537, 580 ac-ft

February 2009

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow							Inflow		
				Hyatt Powerplant Generation 1/	Palermo Canal 2/	Lime Saddle Marina	Butte County Del Oro	Evaporation 3/	Spill	Total Outflow	Hyatt Powerplant Pumpback	Computed Inflow 4/	
Jan 31	667.03	1,020,262											
1	667.36	1,022,442	2,180	1,774	4	0	0	24	0	1,802	0	3,982	
2	667.71	1,024,758	2,316	1,706	4	0	0	30	0	1,740	0	4,056	
3	667.71	1,024,758	0	1,944	4	0	0	34	0	1,982	0	1,982	
4	667.97	1,026,481	1,723	1,762	4	0	0	41	0	1,807	0	3,530	
5	668.44	1,029,600	3,119	830	4	0	0	34	0	868	0	3,987	
6	669.00	1,033,331	3,731	1,464	4	0	0	11	0	1,479	0	5,210	
7	669.41	1,036,064	2,733	1,369	4	0	0	8	0	1,381	0	4,114	
8	669.60	1,037,332	1,268	2,719	4	0	0	42	0	2,765	0	4,033	
9	669.98	1,039,872	2,540	2,173	2	0	0	4	0	2,179	0	4,719	
10	670.45	1,043,019	3,147	1,629	0	0	0	30	0	1,659	0	4,806	
11	670.65	1,044,360	1,341	3,056	0	0	0	11	0	3,067	0	4,408	
12	670.98	1,046,575	2,215	3,760	0	0	0	0	0	3,760	0	5,975	
13	671.40	1,049,400	2,825	2,552	0	0	0	42	0	2,594	0	5,419	
14	671.78	1,051,960	2,560	1,762	0	0	0	11	0	1,773	0	4,333	
15	672.90	1,059,530	7,570	24	0	0	0	0	0	24	0	7,594	
16	674.34	1,069,319	9,789	20	0	0	0	0	0	20	0	9,809	
17	675.74	1,078,896	9,577	1,789	0	0	0	15	0	1,804	0	11,381	
18	676.75	1,085,843	6,947	1,460	0	0	0	0	0	1,460	0	8,407	
19	677.37	1,090,123	4,280	2,183	0	0	0	23	0	2,206	0	6,486	
20	677.80	1,093,098	2,975	1,452	0	0	0	55	0	1,507	0	4,482	
21	678.50	1,097,953	4,855	703	0	0	0	47	0	750	0	5,605	
22	681.22	1,116,964	19,011	2,796	0	0	0	0	0	2,796	0	21,807	
23	691.15	1,188,341	71,377	844	0	0	0	0	0	844	0	72,221	
24	699.75	1,252,729	64,388	840	0	0	0	76	0	916	0	65,304	
25	704.30	1,287,747	35,018	0	0	0	0	35	0	35	0	35,053	
26	708.37	1,319,630	31,883	208	0	0	0	35	0	243	0	32,126	
27	711.36	1,343,390	23,760	718	0	0	0	54	0	772	0	24,532	
28	713.49	1,360,493	17,103	1,235	0	0	1	41	0	1,277	0	18,380	
Total				340,231	42,772	34	0	1	703	0	43,510	0	383,741

1/ Includes bypass flows

2/ South Feather Water and Power Agency

3/ Evaporation will be zero for days when there is precipitation or heavy overcast.

4/ Does not include pumpback.

**Table 5. Thermalito Forebay
Including Diversion Pool and Power Canal**

Daily Operation

(in acre-feet except as noted)

February 2009

Capacity: 25,120 ac-ft

Date	Storage 1/	Storage Change	Inflow			Outflow					Losses (-) And Gains (+)	
			Lake Oroville Releases 2/	Kelly Ridge Generation	Thermalito Pumping- Generating Plant Pumpback	Thermalito Pumping- Generating Plant Generation 3/	Butte County Cal Water	Thermalito Irrigation District	Releases To River 4/	Hyatt Powerplant Pumpback		
Jan 31	24,520											
1	24,174	-346	1,774	136	0	636	0	2	1,248	0	-370	
2	24,700	526	1,706	137	0	0	0	2	1,246	0	-69	
3	24,351	-349	1,944	208	0	1,077	0	2	1,248	0	-174	
4	24,246	-105	1,762	214	0	1,726	0	2	1,248	0	895	
5	23,787	-459	830	284	0	894	0	2	1,246	0	569	
6	24,064	277	1,464	216	0	808	0	2	1,246	0	653	
7	24,254	190	1,369	269	0	662	0	2	1,246	0	462	
8	24,698	444	2,719	262	0	1,905	0	2	1,248	0	618	
9	24,302	-396	2,173	263	0	2,116	0	3	1,248	0	535	
10	24,385	83	1,629	268	0	1,162	0	3	1,248	0	599	
11	24,167	-218	3,056	287	0	2,814	0	3	1,246	0	502	
12	24,222	55	3,760	319	0	2,454	0	3	1,226	0	-341	
13	23,863	-359	2,552	296	0	2,151	0	3	1,242	0	189	
14	23,887	24	1,762	455	0	921	0	3	1,248	0	-21	
15	23,252	-635	24	418	0	562	0	3	1,228	0	716	
16	22,934	-318	20	466	0	292	0	3	1,250	0	741	
17	24,276	1,342	1,789	442	0	776	0	3	1,263	0	1,153	
18	24,273	-3	1,460	443	0	889	0	3	1,238	0	224	
19	24,260	-13	2,183	459	0	1,392	0	3	1,234	0	-26	
20	24,302	42	1,452	453	0	468	0	3	1,242	0	-150	
21	23,989	-313	703	440	0	80	0	3	1,242	0	-131	
22	23,288	-701	2,796	367	0	3,592	0	3	1,277	0	1,008	
23	23,475	187	844	478	0	383	0	3	1,287	0	538	
24	23,772	297	840	475	0	100	0	3	1,263	0	348	
25	22,992	-780	0	460	0	542	0	3	1,263	0	568	
26	22,410	-582	208	462	0	660	0	3	1,262	0	673	
27	22,275	-135	718	474	0	588	0	3	1,260	0	524	
28	22,684	409	1,235	478	0	406	0	3	1,254	0	359	
29	Total		-1,836	42,772	9,929	0	30,056	0	76	34,997	0	10,592

1/ Sum of Thermalito Forebay and Diversion Pool.

2/ Sum of releases from Lake Oroville through Hyatt plant, and spill.

3/ Includes Bypass flows at Thermalito.

4/ The sum of the flows from fish barrier dam and the fish hatchery.

Table 6. Thermalito Afterbay

Daily Operation

(in acre-feet except as noted)

Capacity: 57,040 ac-ft

February 2009

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow					Losses (-) and Gains (+)	Total Releases to River 2/
				Thermalito Pumping-Generating Plant Generation 1/	Sutter Butte Canal	Western Canal Lateral	Richvale Canal	Western Canal	Afterbay River Outlet	Thermalito Pumping-Generating Plant Pumpback		
Jan 31	131.49	37,282										
1	131.59	37,639	357	636	0	0	0	0	649	0	370	1,897
2	131.40	36,962	-677	0	0	0	0	0	651	0	-26	1,897
3	131.56	37,532	570	1,077	0	0	0	0	649	0	142	1,897
4	131.61	37,711	179	1,726	0	0	0	0	651	0	-896	1,899
5	131.56	37,532	-179	894	0	0	0	0	653	0	-420	1,899
6	131.43	37,069	-463	808	0	0	0	0	651	0	-620	1,897
7	131.23	36,361	-708	662	0	0	0	0	647	0	-723	1,893
8	131.49	37,282	921	1,905	0	0	0	0	657	0	-327	1,905
9	131.68	37,962	680	2,116	0	0	0	0	674	0	-762	1,922
10	131.72	38,106	144	1,162	0	0	0	0	659	0	-359	1,907
11	132.13	39,595	1,489	2,814	0	0	0	0	655	0	-670	1,901
12	132.56	41,185	1,590	2,454	0	0	0	0	664	0	-200	1,890
13	133.07	43,108	1,923	2,151	0	0	0	0	664	0	436	1,906
14	133.15	43,414	306	921	0	0	0	0	666	0	51	1,914
15	133.04	42,994	-420	562	0	0	0	0	666	0	-316	1,894
16	133.04	42,994	0	292	0	0	0	0	672	0	380	1,922
17	132.95	42,652	-342	776	0	0	0	0	664	0	-454	1,927
18	133.01	42,880	228	889	0	0	0	0	666	0	5	1,904
19	133.26	43,836	956	1,392	0	0	0	0	670	0	234	1,904
20	133.18	43,529	-307	468	0	0	0	0	674	0	-101	1,916
21	133.07	43,108	-421	80	0	0	0	0	674	0	173	1,916
22	133.96	46,562	3,454	3,592	0	0	0	0	674	0	536	1,951
23	134.02	46,800	238	383	0	0	0	0	674	0	529	1,961
24	133.88	46,247	-553	100	0	0	0	0	674	0	21	1,937
25	133.74	45,697	-550	542	0	0	0	0	674	0	-418	1,937
26	133.58	45,073	-624	660	0	0	0	0	672	0	-612	1,934
27	133.42	44,452	-621	588	0	0	0	0	672	0	-537	1,932
28	133.25	43,797	-655	406	0	0	0	0	666	0	-395	1,920
29												
Total		6,515		30,056	0	0	0	0	18,582	0	-4,959	53,579

1/ Includes Bypass flows at Thermalito.

2/ The sum of the flows from the fish barrier dam, fish hatchery, and afterbay river outlet.

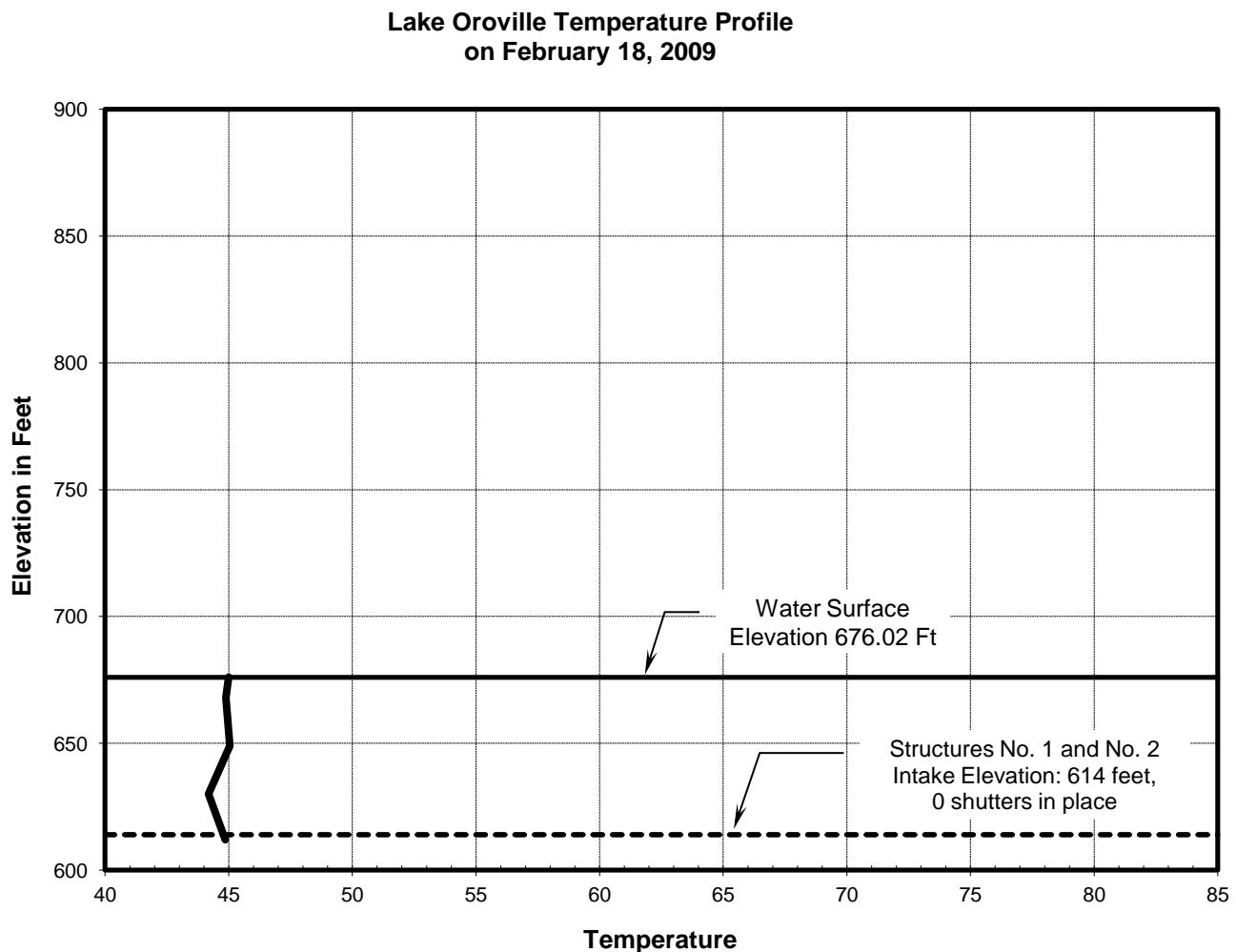
Table 7. Oroville-Thermalito Complex

Water Temperature Data

(in degrees Fahrenheit)

February 2009

Date	Mean Daily Temperature	
	Thermalito Afterbay Outlet	Fish Hatchery
1	48	45
2	49	45
3	49	45
4	49	45
5	49	45
6	50	45
7	50	46
8	49	45
9	50	45
10	49	45
11	48	45
12	47	45
13	47	44
14	46	44
15	46	44
16	46	44
17	46	44
18	47	44
19	48	44
20	49	44
21	48	44
22	48	44
23	50	44
24	51	45
25	51	46
26	52	46
27	52	46
28	53	46



Note: Water surface elevations on Table 4 are taken at Oroville Dam at midnight and may differ slightly from those shown on this table which are normally taken at mid-day and upstream from Oroville Dam.

Table 8. North Bay Aqueduct
Delta Field Division, Monthly Deliveries

(In acre-feet)

February 2009

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Structure			Table A	Permit	Article 21	Article 56C	Settlement	
	No.	Structure	Mile								
1	1	Barker Slough Pumping Plant	0.17	(Into the North Bay Aqueduct)	1,979			5	223	441	
		Travis Surge Tank	8.78								
			8.80	Solano County Water Agency Travis AFB	5						
			10.54	Solano County Water Agency Fairfield / Vacaville 24"	223						
				Solano County Water Agency Fairfield / Vacaville 42"	441						
	3A		17.00	Solano County Water Agency Central Solano	Stub		68	237	202		
		Cordelia Forebay	21.23								
		Cordelia Pumping Plant & Cordelia Spillway	21.30		1,254						
		Napa Pipeline	21.33	Solano County Water Agency Vallejo	305		112	2	2		
				Solano County Water Agency Benicia	314						
3B	2	Cordelia Surge Tank	23.33				220	301	112		
		Creston Surge Tank Connection	25.65								
			26.95	Napa County Flood Control & WCD American Canyon 2	2						
	2		27.27	Napa County Flood Control & WCD American Canyon 3	0			2	2		
		Napa Terminal Tank	27.58	City of Napa	521						
			27.60	Napa County Flood Control & WCD American Canyon 1	112						

Table 9. Delta Field Division Plant Data

(in acre-feet)

February 2009

Date	North Bay Aqueduct		California Aqueduct		South Bay Aqueduct			
	Barker Slough Pumping Plant	Cordelia Pumping Plant	Banks Pumping Plant		South Bay Pumping Plant	Del Valle Pumping Plant		
			Total	SWP		Into Lake	Into Aqueduct	Gravity Flow Through Plant Into Aqueduct
1	88	42	2,018	2,018	201	0	0	0
2	113	59	2,001	2,001	200	0	0	0
3	114	52	1,998	1,998	201	0	0	0
4	106	39	2,005	2,005	157	0	0	0
5	63	54	2,003	2,003	185	0	0	0
6	113	59	2,070	2,070	240	0	0	0
7	87	39	1,822	1,822	271	0	0	0
8	79	36	2,030	2,030	269	0	0	0
9	84	40	2,037	2,037	257	0	0	0
10	94	52	2,043	2,043	255	0	0	0
11	100	62	3,347	3,347	282	0	0	0
12	96	62	3,753	3,753	284	0	0	0
13	114	76	4,850	4,850	306	0	0	0
14	123	84	3,887	3,887	295	0	0	0
15	130	91	3,781	3,781	263	0	0	0
16	139	103	3,928	3,928	288	0	0	0
17	115	97	4,401	4,401	281	0	0	0
18	82	72	4,112	4,112	289	0	0	0
19	44	40	4,910	4,910	263	0	0	0
20	15	15	5,766	5,766	273	0	0	0
21	15	15	5,370	5,370	269	0	0	0
22	16	14	5,623	5,623	269	0	0	0
23	13	15	5,809	5,809	289	0	0	0
24	9	13	5,678	5,678	253	0	0	0
25	18	13	5,506	5,506	171	0	0	0
26	6	7	6,541	6,541	149	0	0	0
27	3	3	6,290	6,290	174	0	0	0
28	0	0	6,276	6,276	171	0	0	0
Total	1,979	1,254	109,855	109,855	6,805	0	0	0

Table 10. Clifton Court Forebay

Daily Operation of Gates

February 2009

Date	Time								Amount of inflow in Acre-Feet
	Opened	Closed	Opened	Closed	Opened	Closed	Opened	Closed	
1	0:01	7:30	10:45	13:15					14,435
2	0:01	8:15	11:30	12:55					14,477
3	0:01	9:02							14,467
4	0:01	9:18							14,003
5	0:01	8:25							13,719
6	0:30	8:32							14,171
7	1:30	9:00							13,576
8	2:15	11:03							14,373
9	3:00	11:16							13,888
10	3:30	16:00							14,106
11	4:30	17:50	20:00	23:15					14,469
12	0:01	2:00	5:00	18:30	21:00	22:45			14,262
13	1:00	2:30	5:30	15:15	18:15	22:00			14,361
14	0:01	7:15	10:15	16:15	19:15				974
15		8:00	10:45	17:15	20:15	23:15			961
16	0:01	8:45	11:30	18:30	21:30	22:55			14,428
17	0:01	9:45	12:30	18:40					14,443
18	0:01	9:45	13:30	20:45					14,418
19	0:01	12:30	14:30	21:30					14,475
20	0:03	13:30	15:30	22:15					14,311
21	1:15	14:15	16:15	19:50					14,260
22	2:00	14:45	17:00	19:30					14,125
23	2:30	15:30	17:45	19:30					14,470
24	3:00	16:00	18:30	21:00					14,471
25	0:01	0:30	3:30	16:30	19:00	21:50			14,460
26	19:45	22:50							7,929
27	0:15	1:15	4:15	14:00	17:00				5,919
28		6:00	8:45	14:30	17:30				10,632
Total inflow for the month in AF:									354,583

Table 11. Governor Edmund G. Brown California Aqueduct

Delta Field Division, Monthly Deliveries

(In acre-feet)

February 2009

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		No.			Table A	USBR	General Conveyance	Article 56C	Federal Contractor	
	No.	Structure	Mile								
1A			1.83	Byron-Bethany I.D.	0						
1	1	Banks Pumping Plant	3.32		109,855					21	
		South Bay Pumping Plant	4.49	Bethany Reservoir (Into the South Bay Aquaduct)	6,805						
		Check No. 1	5.95								
			8.08	Alameda Co. Zone 7 WA Mountain House Golf Course	0						
	2	Check No. 2	12.01								
			12.47	Musco Olive	21						
		Check No. 3	18.29								
	3		22.16	Tracy Golf & Country Club	0						
		Check No. 4	23.99								
2A	4	Check No. 5	29.73								
	5	Check No. 6	34.24								
	6		35.22	Turlock Fruit Company Inflow	0						
		Check No. 7	39.91								
	7		42.46	Oak Flat Water District-A	0						
			42.9	Western Hills WD	18						
			43.81	Oak Flat Water District-B	0						
			44.64	Oak Flat Water District-C	0						
		Check No. 8	45.97								
2B	8		46.18	Oak Flat Water District-D	0					18	
				Oak Flat Totals:	0						
	9	Check No. 9	51.3								
		Check No. 10	56.86								
	10	Check No. 11	61.4								
	11		66.14	Veteran's Cemetery	2						
		Check No. 12	66.71		100,962						
	12										

Table 12. South Bay Aqueduct
Delta Field Division, Monthly Deliveries

(In acre-feet)

February 2009

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		No.			Table A	Local	Article 56C	Semitropic Recovery	Recreation	
	No.	Structure	Mile								
1	1	South Bay Pumping Plant	0.00	(into South Bay Aqueduct)	6,805	3	472	181			
			3.17	Granite - Vasco Rd. (Temp.)	0						
			3.18	Oakland Scavenger Zone 7	3						
		Check No. 1	3.91								
	2	Check No. 2	5.21								
			7.21	Zone 7 Water Agency Altamont	0						
		Check No. 3	9.49	Zone 7 Water Agency Patterson Storage Exchange Project Water	472 181						
2	4	Check No. 4	10.68			4	2	1			
	5	Check No. 5	12.29								
	6		13.55	Zone 7 Water Agency Wente #1	4						
			14.16	Zone 7 Water Agency Wente #2	2						
			14.31	Zone 7 Water Agency Ising	0						
		Check No. 6	14.65								
	7		14.78	Zone 7 Water Agency Arroyo Mocho Project Water	0						
		Check No. 7	16.38								
4	8		16.57	Zone 7 Water Agency Wente #3	0	1	204	3			
			16.63	Zone 7 Water Agency Wente #4	1						
			16.69	Zone 7 Water Agency Norman Nursery	0						
			16.70	Zone 7 Water Agency Concannon Project Water	0						
		Del Valle Branch Pipeline Junction	18.63	Pumped into Lake Del Valle Pumped into South Bay Aqueduct Gravity into South Bay Aqueduct	0 0 0						
		Deliveries through Del Valle Branch Pipeline		Zone 7 Water Agency Arroyo Valle #1 & #2 Project Water	0						
				Storage Exchange Inflow Release	0 0 204						
				East Bay Regional Park Dist. Del Valle Recreation	3						
				Zone 7 Water Agency Wente #5	0						
			19.20	Zone 7 Water Agency So. Livermore Project Storage Exchange Project Water	76 500		76	500			
6			19.21	Zone 7 - Kalthrof Detjens	2						
7	La Costa Tunnel	22.50	ACWD - Vallecitos Project Water	205							
		8			25.97						City of San Francisco San Antonio
9	Mission Tunnel	28.97	ACWD - Bayside 1 & 2 Project Water Storage Exchange	1,295 0	252		1,043				
	Santa Clara Pipeline	35.86	S.C.V.W.D. Meter	13 3,651							

Table 13. Lake Del Valle

Daily Operation

Capacity: 77,106 ac-ft

(in acre-feet except as noted)

February 2009

Date	Water Surface Elevation (feet)	Storage	Storage Change	Inflow		Outflow					Precipitation (inches)
				Natural 1/	From South Bay Aqueduct	Arroyo Valle	South Bay Aqueduct 2/	Recreation Deliveries 3/	Evaporation	Total Outflow	
Jan 31	686.72	29,446									
1	686.72	29,446	0	6	0	0	0	1	5	6	0.00
2	686.72	29,446	0	6	0	0	0	1	5	6	0.00
3	686.72	29,446	0	4	0	0	0	1	3	4	0.00
4	686.72	29,446	0	2	0	0	0	0	2	2	0.00
5	686.73	29,452	6	7	0	0	0	0	1	1	0.03
6	686.79	29,486	35	36	0	0	0	0	2	2	0.21
7	686.81	29,498	12	12	0	0	0	0	0	0	0.46
8	686.80	29,492	-6	-3	0	0	0	0	2	2	0.00
9	686.84	29,515	23	25	0	0	0	0	2	2	0.19
10	686.85	29,521	6	8	0	0	0	0	2	2	0.00
11	686.87	29,532	12	13	0	0	0	0	2	2	0.09
12	686.89	29,544	12	13	0	0	0	0	2	2	0.07
13	686.98	29,596	52	54	0	0	0	0	2	2	0.41
14	687.05	29,637	41	43	0	0	0	0	3	3	0.29
15	687.18	29,712	75	77	0	0	0	0	2	2	0.07
16	687.91	30,137	426	427	0	0	0	0	1	1	0.44
17	690.15	31,472	1,335	1,336	0	0	0	0	2	2	0.52
18	691.51	32,303	831	832	0	0	0	0	1	1	0.09
19	691.96	32,581	278	281	0	0	0	0	2	2	0.00
20	692.30	32,792	211	214	0	0	0	0	3	3	0.00
21	692.31	32,799	6	10	0	0	0	0	3	3	0.00
22	692.31	32,799	0	1	0	0	0	0	1	1	0.07
23	692.57	32,961	162	164	0	0	0	0	1	1	0.15
24	692.86	33,142	182	185	0	0	0	0	3	3	0.07
25	693.08	33,280	138	141	0	0	0	0	3	3	0.00
26	693.22	33,369	88	91	0	0	0	0	3	3	0.08
27	693.33	33,438	69	73	0	0	0	0	3	3	0.00
28	693.41	33,488	51	54	0	0	0	0	3	3	0.00
Total				4,042	4,111	0	0	0	3	66	69
											3.24

1/ Total inflow from stream gaging station above Lang Canyon and accretions/depletions.

2/ Project water released to South Bay Aqueduct through Del Valle Pumping Plant.

3/ To East Bay Regional Park District.

NR=No Records

Table 14. Consolidated State-Federal O'Neill Forebay
 Daily Operations
February 2009

United States
 Department of the Interior
 Bureau of Reclamation
 Central Valley Project

State of California
 The Resources Agency
 Department of Water Resources
 State Water Project

Date	Water Surface Elevation (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)				Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)
				Pump In 1/	O'Neill Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	California Aqueduct	O'Neill Pumping Generating Plant (Generation)	Gianelli Pumping Generating Plant (Pumped)	Dos Amigos Pumping Plant	Deliveries 2/	
Jan 31	219.60	42,119										
1	219.22	41,145	-974	0	477	845	1,004	0	1,643	1,086	4	-84
2	218.90	40,330	-815	0	454	0	556	0	1,095	411	4	89
3	219.62	42,170	1,840	0	379	0	908	0	0	408	4	53
4	219.29	41,323	-847	0	317	0	855	0	913	821	4	139
5	219.51	41,887	564	0	112	702	731	0	603	739	7	88
6	220.13	43,489	1,602	0	183	700	1,206	0	555	679	7	-40
7	220.11	43,437	-52	0	346	0	620	0	576	511	7	102
8	220.26	43,827	390	0	364	0	785	0	0	875	7	-70
9	221.19	46,259	2,432	0	320	0	1,009	0	0	263	7	167
10	221.73	47,677	1,418	0	340	0	873	0	0	422	7	-69
11	222.85	50,646	2,969	0	1,167	0	1,465	0	1,210	121	7	203
12	222.80	50,513	-133	0	1,339	0	1,757	0	2,713	486	13	49
13	222.91	50,806	293	0	772	0	2,491	0	2,308	482	13	-312
14	222.81	50,539	-267	0	999	0	1,484	0	2,310	471	13	176
15	221.21	46,311	-4,228	0	1,046	0	1,614	0	4,497	580	13	298
16	219.13	40,915	-5,396	0	1,106	0	1,966	0	5,419	352	13	-8
17	219.08	40,788	-127	0	1,256	0	2,104	0	3,171	347	13	107
18	220.29	43,905	3,117	0	1,198	0	1,862	0	1,205	399	13	128
19	222.30	49,182	5,277	0	1,553	0	2,152	0	803	301	13	72
20	223.22	51,634	2,452	0	1,710	0	3,074	0	3,062	414	13	-59
21	221.45	46,941	-4,693	0	1,614	0	2,288	0	5,727	416	13	-112
22	220.44	44,296	-2,645	0	1,690	0	2,867	0	4,997	732	13	-149
23	220.60	44,714	418	0	1,849	0	2,693	0	4,158	416	13	256
24	221.11	46,049	1,335	0	1,833	0	2,699	0	3,297	496	13	-53
25	221.44	46,915	866	0	1,797	0	2,802	0	3,648	523	13	22
26	221.80	47,861	946	0	1,775	0	3,222	0	4,098	555	10	143
27	222.30	49,182	1,321	0	1,766	0	2,938	0	3,490	761	5	218
28	222.83	50,593	1,411	0	2,370	0	2,874	0	3,478	922	4	-129
Total			8,474	0	30,132	2,247	50,899	0	64,976	14,989	266	1,225
Mean cfs			---	0	1,076	80	1,818	0	2,321	535	10	44
Acre-feet			8,474	0	59,763	4,457	100,962	0	128,876	29,732	528	2,428

1/ Pump-in located at Mile 79.67R.

2/ Includes 0 AF delivered to DFG at O'Neill Forebay, 1 AF to Parks & Rec., 1 AF to the Cattle Program, and 526 AF to San Luis Water District.

Table 15. Consolidated State-Federal San Luis Reservoir

Daily Operations
February 2009

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

State of California
The Resources Agency
Department of Water Resources
State Water Project

Capacity: 2,027,835 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)			Computed Losses (-) Gains (+) (cfs)
				Gianelli Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	Pacheco Tunnel 1/	Parks and Rec. Del.		
Jan 31	421.26	701,877							
1	421.48	703,830	1,953	1,643	845	254	0	441	
2	421.63	705,163	1,333	1,095	0	247	0	-176	
3	421.47	703,741	-1,422	0	0	220	0	-497	
4	421.58	704,719	978	913	0	180	0	-240	
5	421.57	704,630	-89	603	702	162	0	216	
6	421.56	704,541	-89	555	700	145	0	245	
7	421.60	704,897	356	576	0	112	0	-285	
8	421.60	704,897	0	0	0	58	0	58	
9	421.60	704,897	0	0	0	0	0	0	
10	421.57	704,630	-267	0	0	0	0	-135	
11	421.76	706,320	1,690	1,210	0	0	0	-358	
12	422.31	711,219	4,899	2,713	0	0	0	-243	
13	422.87	716,220	5,001	2,308	0	0	0	213	
14	423.37	720,697	4,477	2,310	0	0	0	-53	
15	424.27	728,781	8,084	4,497	0	0	0	-421	
16	425.46	739,522	10,741	5,419	0	0	0	-4	
17	426.21	746,308	6,786	3,171	0	0	0	250	
18	426.49	748,848	2,540	1,205	0	0	0	76	
19	426.61	749,937	1,089	803	0	0	0	-254	
20	427.22	755,483	5,546	3,062	0	0	0	-266	
21	428.37	765,976	10,493	5,727	0	0	0	-437	
22	429.50	776,335	10,359	4,997	0	0	0	226	
23	430.41	784,712	8,377	4,158	0	0	0	65	
24	431.22	792,194	7,482	3,297	0	0	0	475	
25	431.99	799,329	7,135	3,648	0	0	0	-51	
26	432.81	806,951	7,622	4,098	0	0	0	-255	
27	433.52	813,571	6,620	3,490	0	0	0	-152	
28	434.29	820,771	7,200	3,478	0	121	1	273	
Total			118,894	64,976	2,247	1,499	1	-1,289	
Mean cfs			---	2,321	80	54	0	-46	
Acre-feet			118,894	128,876	4,457	2,976	1	-2,548	

1/ Pacheco Tunnel, San Felipe Split; Santa Clara 2,479 AF, Casa De Fruta 0 AF, and San Benito 497 AF.

Table 16. San Luis Field Division Plant Data

(in acre-feet)

February 2009

Date	Dos Amigos Pumping Plant		Gianelli Pumping - Generating Plant				San Felipe Project
	Total Pumping	SWP Pumping 1/ 2/	Total Generation	SWP Generation 1/ 2/	Total Pumping	SWP Pumping 1/ 2/	Federal
1	2,155	1,384	1,676	1,676	3,258	2,036	504
2	816	42	0	0	2,172	2,172	490
3	809	46	0	0	0	0	437
4	1,629	821	0	0	1,810	1,810	357
5	1,466	675	1,393	-192	1,196	1,196	321
6	1,346	1,172	1,388	-210	1,100	1,100	288
7	1,013	841	0	0	1,143	1,143	223
8	1,735	1,571	0	0	0	0	116
9	522	354	0	0	0	0	0
10	837	670	0	0	0	0	0
11	240	-692	0	0	2,400	2,400	0
12	964	38	0	0	5,382	2,056	0
13	956	39	0	0	4,577	4,577	0
14	934	16	0	0	4,582	4,582	0
15	1,151	238	0	0	8,920	5,817	0
16	698	-214	0	0	10,749	7,669	0
17	688	-209	0	0	6,290	3,246	0
18	792	-80	0	0	2,390	2,390	0
19	598	18	0	0	1,593	1,593	0
20	822	236	0	0	6,073	6,073	0
21	825	240	0	0	11,360	5,887	0
22	1,451	865	0	0	9,911	5,444	0
23	826	240	0	0	8,247	5,575	0
24	983	365	0	0	6,539	3,885	0
25	1,037	423	0	0	7,236	4,585	0
26	1,101	495	0	0	8,128	5,459	0
27	1,510	701	0	0	6,922	4,235	0
28	1,828	1,013	0	0	6,898	4,224	240
Total	29,732	11,308	4,457	1,274	128,876	89,154	2,976

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping;
adjustments to SWP water shares are made to balance the mismatch.

2/ Provisional, subject to change.

Table 17. Consolidated State-Federal Los Banos Reservoir

Daily Operations
February 2009

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

State of California
The Resources Agency
Department of Water Resources
State Water Project

Capacity 34,560 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Jan 31	322.89	18,340					
1	322.89	18,340	0	0	0	0	0
2	322.89	18,340	0	0	0	0	0
3	322.89	18,340	0	0	0	0	0
4	322.89	18,340	0	0	0	0	0
5	322.91	18,349	9	5	0	0	-1
6	322.94	18,362	13	7	0	0	-1
7	322.94	18,362	0	0	0	0	0
8	322.94	18,362	0	0	0	0	0
9	322.91	18,349	-13	0	0	0	-13
10	322.90	18,345	-4	0	0	0	-4
11	322.90	18,345	0	0	0	0	0
12	322.90	18,345	0	0	0	0	0
13	322.90	18,345	0	0	0	0	0
14	322.90	18,345	0	0	0	0	0
15	322.90	18,345	0	0	0	0	0
16	322.91	18,349	4	2	0	0	0
17	323.06	18,415	66	33	0	0	1
18	323.46	18,593	178	90	0	0	-1
19	323.59	18,650	57	29	0	0	-1
20	323.65	18,677	27	14	0	0	-1
21	323.70	18,699	22	11	0	0	0
22	323.75	18,722	23	12	0	0	-1
23	323.80	18,744	22	11	0	0	0
24	323.83	18,757	13	7	0	0	-1
25	323.85	18,766	9	5	0	0	-1
26	323.87	18,775	9	5	0	0	-1
27	323.89	18,784	9	5	0	0	-1
28	323.91	18,793	9	5	0	0	-1
Total			453	241	0	0	-25
Mean cfs			---	9	0	0	---
Acre-feet			453	478	0	0	-25

Table 18. Consolidated State-Federal Little Panoche Reservoir

Daily Operations

February 2009

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

Capacity: 5,580 ac-ft

State of California

The Resources Agency

Department of Water Resources

State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Jan 31	602.50	709					
1	600.50	709	0	0	0	0	0
2	600.50	709	0	0	0	0	0
3	600.50	709	0	0	0	0	0
4	600.50	709	0	0	0	0	0
5	600.50	709	0	0	0	0	0
6	600.50	709	0	0	0	0	0
7	600.50	709	0	0	0	0	0
8	600.50	709	0	0	0	0	0
9	600.50	709	0	0	0	0	0
10	600.50	709	0	0	0	0	0
11	600.50	709	0	0	0	0	0
12	600.50	709	0	0	0	0	0
13	600.50	709	0	0	0	0	0
14	600.50	709	0	0	0	0	0
15	600.50	709	0	0	0	0	0
16	600.50	709	0	0	0	0	0
17	600.50	709	0	0	0	0	0
18	600.50	709	0	0	0	0	0
19	600.50	709	0	0	0	0	0
20	600.50	709	0	0	0	0	0
21	600.50	709	0	0	0	0	0
22	600.50	709	0	0	0	0	0
23	600.50	709	0	0	0	0	0
24	600.50	709	0	0	0	0	0
25	600.50	709	0	0	0	0	0
26	600.50	709	0	0	0	0	0
27	600.50	709	0	0	0	0	0
28	600.50	709	0	0	0	0	0
					0		
Total			0	0	0	0	0
Mean cfs			---	0	0	0	---
Acre-feet			0	0	0	0	0

Table 19. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries

(In acre-feet)

February 2009

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Mile			USBR	Transfer	DWR Recreation	USBR Recreation		
	No.	Structure									
2B	12	Check No. 12	66.71		100,962						
3A		San Luis Reservoir		Department of Parks and Recreation	1	2,479	497	1	0		
				San Felipe Division Santa Clara Water District	2,479						
				Casa de Fruta Santa Clara Water District	0						
				San Felipe Division San Benito Water District	497						
				Reach 3A Subtotal:	2,977		2,976	0	1		
3	13	O'Neill Forebay	70.85	Department of Parks and Recreation	1			1	0		
				Cattle Program	1						
				Department of Fish & Game	0						
		Thru	70.91	San Luis Water District	526	526					
			85.08	(Floodwater Inflow)	0						
				Reach 3 Subtotal:	528	526	0	2	0		
		Dos Amigos Pumping Plant	86.73		29,732						
4	14		89.03	San Luis Water District	1,680	1,680					
			Thru 94.06								
			89.66	Pacheco Water District	338		338				
			89.67								
			89.68	Panoche Water District	33		33				
		Check No. 14	89.70	City of Dos Palos	47		47				
			95.06								
		15	98.15	San Luis Water District	161	161					
			Thru 104.20								
			96.15	Panoche Water District	333		333				
			102.64	(Floodwater Inflow)	0						
			102.64	Broadview Water District	0						
			105.22	Westlands Water District	657		657				
			108.64								
		Check No.15	108.50								
			Reach 4 Subtotal:	3,249	3,249	3,249	0	0	0		
			San Felipe Division Total:	2,976	2,976	2,976	0	0	0		
			Pacheco Water District Total:	338	338	338	0	0	0		
			Broadview Water District Total:	0	0	0	0	0	0		
			City of Dos Palos Total:	47	47	47	0	0	0		
			SLWD Reach 4 Subtotal:	1,841	1,841	1,841	0	0	0		
			Panoche Water District Total:	366	366	366	0	0	0		
			SLWD Total:	2,367	2,367	2,367	0	0	0		
			Westlands WD Reach 4 Subtotal:	657	657	657	0	0	0		

Table 19. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries (Continued)

(In acre-feet)

February 2009

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
		Beginning and Ending				USBR	Transfer	DWR Recreation	USBR Recreation			
	No.	Structure	Mile									
5	16			(Reverse flow, Kings River)	0	1,201	37	0	0			
				110.52	Westlands Water District							
				Thru	Dept. of Fish and Game @ Lat. 4L							
				122.05	Dept. of Fish and Game @ Lat. 6L							
					Dept. of Fish and Game @ Lat. 7L							
			Check No. 16	122.07								
	17			124.18	Westlands Water District	37	37	0	0			
				Thru 132.74								
	Check No. 17			132.95								
	18			133.81	Westlands Water District	1,119	1,119	0	0			
				Thru 142.61								
				Pleasant Valley Pumping Plant	Westlands Water District	794	794	0	0			
				143.16	City of Coalinga	261	261	0	0			
			Check No. 18	143.23								
					Reach 5 Subtotal:	3,412	3,412	0	0			
6	19			145.26	GWF Energy	3	1/ 3	0	0			
					City of Huron	0						
					SWP Construction @ Lat. 24R	0						
					Kings County to Lemoore NAS Through WWD	0						
					Kings County through WWD 30L	0						
					Westlands Water District	1,077						
			Check No. 19	155.64								
					Reach 6 Subtotal:	1,080	1,077	3	0			
7	20			156.34	City of Huron	51	51	0	0			
				156.40	SWP Construction @ Lat. 24R	0						
				Thru	Kings County through WWD 31L, 32L, 33L, 34L, 35L, 36L	0						
				163.69	Westlands Water District	678						
	Check No. 20			164.69								
	21			164.79	City of Avenal	169	678	169	0			
				167.04	Westlands Water District	318						
				Thru 171.67								
			Check No. 21	172.40		18,244						
					Reach 7 Total:	1,216	1,216	0	0			
					SWP Construction Total:	0	0	0	0			
					Westlands WD Total:	5,881	5,881	0	0			
					City of Coalinga Total:	261	261	0	0			
					City of Huron Total:	51	51	0	0			
					Kings County to Lemoore NAS Through WWD	0	0	0	0			
					City of Avenal Total:	169	169	0	0			
					Total San Luis Field Division Deliveries:	12,462	12,456	3	3			

1/ From County of Kings to Westlands Water District.

Table 20. Consolidated State-Federal San Luis Canal 1/Daily Operations
February 2009

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

State of California
The Resources Agency
Department of Water Resources
State Water Project

Date	Storage In Canal (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)
			Non- Project	Dos Amigos Pumping Plant	San Luis Water District Pools 14 & 15 2/	Panoche Water District Pools 14 & 15	Westlands Water District Pools 15 thru 21 3/	Flow Past Check 21	
Jan 31	27,125								
1	27,421	296	0	1,086	43	3	149	781	40
2	27,336	-85	0	411	43	3	149	238	-21
3	26,989	-347	0	408	43	3	149	331	-57
4	27,170	181	0	821	43	2	149	403	-132
5	27,358	188	0	739	37	4	99	394	-110
6	27,493	135	0	679	37	4	99	487	16
7	27,470	-23	0	511	37	4	99	344	-38
8	27,299	-171	0	875	37	4	99	845	24
9	27,254	-45	0	263	37	5	99	123	-22
10	27,440	186	0	422	37	5	99	109	-78
11	26,929	-511	0	121	37	5	99	153	-84
12	27,218	289	0	486	48	2	90	70	-130
13	27,681	463	0	482	48	2	90	17	-91
14	28,028	347	0	471	48	2	90	15	-141
15	27,526	-502	0	580	48	2	90	699	6
16	27,468	-58	0	352	48	2	90	250	8
17	27,855	387	0	347	48	2	90	20	8
18	28,196	341	0	399	48	2	90	50	-37
19	27,994	-202	0	301	36	8	90	204	-65
20	27,989	-5	0	414	36	8	94	206	-73
21	27,586	-403	0	416	36	8	94	375	-106
22	27,401	-185	0	732	36	8	94	705	18
23	26,853	-548	0	416	36	8	104	604	60
24	27,004	151	0	496	36	17	104	232	-30
25	27,183	179	0	523	36	18	104	163	-112
26	26,993	-190	0	555	35	18	202	378	-18
27	26,827	-166	0	761	34	18	202	504	-87
28	26,983	156	0	922	34	18	202	497	-92
Total		-142	0	14,989	1,122	185	3,209	9,198	-1,344
Mean cfs		---	0	535	40	7	115	328	-48
Acre-feet		-142	0	29,732	2,226	366	6,365	18,244	-2,673

1/ San Luis Canal includes Pools 14 through 21 of the California Aqueduct.

2/ Includes 338 AF to Pacheco W.D., 47 AF to the City of Dos Palos and 1,841 AF to San Luis Water District.

3/ Includes 51 AF to the City of Huron, 169 AF to the City of Avenal, 261 AF to the City of Coalinga, 0 AF City of Huron P&R @ 22R, 0 AF to Lemoore N.A.S. @ 29L, 3 AF to GWF @ 30L, 0 AF to Kings County @ 30L, 0 AF to Broadview WD @ 3L, 0 AF to DFG @ 4L, 0 AF to Pilobos Wildlife @ 4L, 0 AF to Mendota Water Fowl Habitat Area @ 6L, 0 AF DWR Water Truck @22R, 0 AF to DFG @ 7L, 0 AF Non-Project Water, 5,087 AF to Westlands Water District, and 794 AF to Pleasant Valley Pumping Plant.

Table 21. San Joaquin Field Division Plant Data

(in acre-feet)

February 2009

23

Date	Coastal Aqueduct					California Aqueduct			
	Las Perillas Pumping Plant	Badger Hill Pumping Plant	Devil's Den Pumping Plant	Bluestone Pumping Plant	Polonio Pass Pumping Plant	Buena Vista Pumping Plant	Teerink Pumping Plant	Chrisman Pumping Plant	Edmonston Pumping Plant
1	104	120	46	43	50	2,304	2,813	2,756	2,793
2	56	68	45	42	48	1,313	1,686	1,585	1,598
3	43	48	44	39	46	1,470	1,662	1,585	1,636
4	37	40	33	29	34	1,625	1,801	1,666	1,661
5	49	55	44	41	48	1,622	1,656	1,639	1,658
6	20	22	34	32	37	1,582	1,688	1,637	1,516
7	47	53	39	36	40	1,418	1,691	1,631	1,658
8	45	55	48	42	52	2,519	2,908	2,756	2,793
9	35	44	34	32	36	1,260	1,661	1,585	1,596
10	35	38	38	35	40	1,050	1,540	1,465	1,429
11	36	39	33	30	34	1,207	1,585	1,515	1,544
12	34	39	31	28	33	1,044	1,517	1,561	1,544
13	15	18	26	22	27	1,153	1,624	1,562	1,492
14	37	40	25	22	25	1,142	1,548	1,510	1,467
15	35	41	31	26	33	2,309	2,729	2,704	2,740
16	15	16	23	21	26	1,273	1,640	1,540	1,590
17	40	45	18	17	20	1,102	1,517	1,458	1,467
18	121	139	20	18	22	1,182	1,557	1,505	1,467
19	191	196	33	30	35	1,156	1,630	1,505	1,462
20	182	205	24	22	26	1,171	1,548	1,513	1,467
21	144	170	30	28	33	1,264	1,603	1,458	1,467
22	176	195	27	27	33	1,994	2,626	2,551	2,618
23	204	210	27	22	25	1,260	1,512	1,537	1,462
24	147	141	29	27	30	1,260	1,624	1,510	1,549
25	176	180	29	26	28	1,148	1,562	1,510	1,467
26	216	202	32	30	34	1,341	1,575	1,450	1,497
27	209	183	28	24	28	1,369	1,630	1,554	1,467
28	233	212	16	15	19	1,444	1,519	1,453	1,467
Total	2,682	2,814	887	806	942	39,983	49,650	47,701	47,573

Table 22. Governor Edmund G. Brown California Aqueduct
San Joaquin Field Division, Monthly Deliveries

(In acre-feet)

February 2009

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Table A	USBR	Recovery	Transfer	Carryover Article 56C		
	No.	Structure	Mile									
7	21	Check No. 21	172.40		18,244							
8C	22			Empire West Side ID TL - A	0					18		
				172.66	County of Kings TL - A							
				Tulare Lake Basin WSD TL-A	18							
				175.18	Dudley Ridge WD - 1							
				177.54	Dudley Ridge WD - 1B							
				180.64	Tulare Lake Basin WSD - C							
				180.65	Dudley Ridge WD - 1A							
				182.99	Dudley Ridge WD - 2							
				183.00	Tulare Lake Basin WSD TL - B							
				184.00	County of Kings TL-B							
31A	8D			184.63	Dudley Ridge WD - Paramount							
				184.78	Coastal Branch							
8D				Dudley Ridge Reach 8D Total:	171					1/ 36		
				Tulare Lake Basin WSD Total:	18							
				Check No. 22	184.82							
				189.69	Kern County Water Agency Lost Hills Water Dist. - 1					2/ 411		
				191.18	Kern County Water Agency Lost Hills Water Dist. - 2							
				194.22	Kern County Water Agency Lost Hills Water Dist. - 3							
9	23			196.40	Kern County Water Agency Berrenda Mesa - 2	104				2/ 104		
				196.75	Kern County Water Agency Lost Hills Water Dist. - 4	324						
				KCWA Reach 9 Subtotal:	923							
				Check No. 23	197.05							
				201.24	Kern County Water Agency Lost Hills Water Dist. - 7	333				2/ 333		
				202.05	Kern County Water Agency Lost Hills Water Dist. - 5	27						
10A	24			204.69	Kern County Water Agency Lost Hills Water Dist. - 6	0						
				205.26	Kern County Water Agency Lost Hills Water Dist. - 8	0						
				Check No. 24	207.94							
				209.71	Kern County Water Agency Belridge Water Storage Dist. - 1A	974				2/ 974		
				209.78	Kern National Wildlife Refuge USBR BV-1B	885						
					Kern County Water Agency Buena Vista WSD 1B	884						
				209.80	KCWA Semitropic WSD	0						
					KCWA Semitropic WSD Penstocks	0						
					USB Total:	885				0		
					KCWA Reach 10A Subtotal:	2,218						

1/ Kern Water Bank Recovery.

2/ Pump Recovery.

Table 22. Governor Edmund G. Brown California Aqueduct
 San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

February 2009

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending		Mile			Table A	USBR	Recovery	Transfer	Carryover Article 56C		
	No.	Structure										
11B	25		210.75	Kern County Water Agency Belridge - 2	0			2/ 3,405				
			214.11	Kern County Water Agency Belridge - 3	0							
			216.62	Kern County Water Agency Belridge - 4	0							
			217.13	Kern County Water Agency Belridge - 5A-C	3,405							
				Kern County Water Agency Belridge - 5D	0							
		Check No. 25	217.79									
				KCWA Reach 11B Subtotal:	3,405	0	0	3,405	0	0		
12D	26		219.58	Kern County Water Agency Belridge - 6	0			2/ 309				
				Kern County Water Agency West Kern - 3	309							
			Check No. 26	224.92								
12E	27		230.37	Kern County Water Agency Buena Vista - 6	0							
			Check No. 27	231.73								
	28		235.75	Kern County Water Agency Buena Vista - 2	0							
				Kern County WA CVC	0							
				DRWD CVC	0							
			238.04	Tulare Co.	0							
				Lower Tule River	0							
				Fresno Co.	0							
				Pixley ID	0							
				Hacienda								
				DWR Wells	0							
			Check No. 28	238.11								
				1/ Arvin Edison Total:	0	0	0	0	0	0		
				Reach 12E Subtotal:	0	0	0	0	0	0		
13B	29		238.19	Kern Water Bank Inflow	0			2/ 44				
				Kern Water Bank Outflow	0							
			241.02	Kern River Intertie (inflow)	0							
			242.85	KCWA Buena Vista WSD - 7	0							
				KCWA Buena Vista WSD - 5	44							
			243.09	Kern County Water Agency Buena Vista - 3	0							
			Check No. 29	244.54								
	30		249.85	Kern County Water Agency Buena Vista - 4	0							
			Buena Vista Pumping Plant	250.99								
				KCWA Reach 13B Subtotal:	44	0	0	44	0	0		
14A	31		254.47	Kern County Water Agency West Kern - 2	0			2/ 59				
			256.11	Kern County Water Agency Wheeler Ridge-Maricopa - 2	59							

1/ Arvin Edison Contractors include Rag Gulch WD, Kern-Tulare WD, Fresno County, Hills Valley ID, Tri Valley WD, Tulare County, Lower Tule River ID, and Pixley ID.

2/ Pump Recovery.

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

February 2009

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending		No.			Table A	USBR	Recovery	Transfer	Carryover Article 56C		
	No.	Structure	Mile									
14A	31	Check No. 31	256.14									
	32		258.61		Kern County Water Agency Wheeler Ridge-Maricopa - 3	54						
			260.44		Kern County Water Agency Wheeler Ridge-Maricopa - 4	48						
		Check No. 32	261.72									
					KCWA Reach 14A Subtotal:	161	0	0	161	0	0	
14B	33		264.42		Kern County Water Agency Wheeler Ridge-Maricopa - 5	495						
			266.91		Kern County Water Agency Wheeler Ridge-Maricopa - 6	110						
		Check No. 33	267.36									
	34		270.24		Kern County Water Agency Wheeler Ridge-Maricopa - 7	246						
			271.27									
					Reach 14B Total:	851	0	0	851	0	0	
14C	35		272.39		Kern County Water Agency Wheeler Ridge-Maricopa - 8	275						
			276.09		Kern County Water Agency Wheeler Ridge-Maricopa - 9	130						
			277.30		Kern County Water Agency Arvin-Edison WSD	0						
					Reach 14C Total:	405	0	0	405	0	0	
		Teerink Pumping Plant	278.13		49,650							
15A	36		279.02		Kern County Water Agency Wheeler Ridge-Maricopa - 9A	206						
			280.06		Kern County Water Agency Wheeler Ridge-Maricopa - 10	39						
					Reach 15A Total:	245	0	0	245	0	0	
		Chrismar Pumping Plant	280.36		47,701							
16A	37		282.06		Kern County Water Agency Wheeler Ridge-Maricopa - 11	0						
			283.95									
	38		285.01		Kern County Water Agency Wheeler Ridge-Maricopa - 12	13						
			286.39		Kern County Water Agency Wheeler Ridge-Maricopa - 13A	12						
			287.06		Kern County Water Agency Wheeler Ridge-Maricopa - 13	0						
	39		287.09									
			287.62		Kern County Water Agency Wheeler Ridge-Maricopa - 13B	21						
	40		290.21									
			291.26		Kern County Water Agency Wheeler Ridge-Maricopa - 14	408						
			293.07		Kern County Water Agency Wheeler Ridge-Maricopa - 15	0						
					Kern County Water Agency Tehachapi Cummings CWD	0						
					KCWA Reach 16A Subtotal:	454	0	0	454	0	0	
17E		Edmonston Pumping Plant	293.45									

1/ Pump Recovery.

Table 23. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Coastal Branch)

(In acre-feet)

February 2009

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Table A	USBR	Recovery	Transfer	Carryover Article 56C		
	No.	Structure	Mile									
31A	C-1	Coastal Branch Control	0.02		2,682	1/ 1,738	1,738	0	0	0		
		Las Perillas Pumping Plant	1.16		2,682							
	C-2		3.79	Green Valley Water District	0							
		Badger Hill Pumping Plant	4.27		2,814							
	C-3	Coastal Check No. 3	7.21									
	C-4		9.34	Castaic Lake WA (Devil's Den WD #1)	0							
		Coastal Check No. 4	9.34									
	C-5	Coastal Check No. 5	12.20									
	C-6		13.30	Kern County Water Agency Berrenda Mesa - 3	0							
			14.83	Kern County Water Agency Berrenda Mesa - 1	1,738							
				Kern County Water Agency Berrenda Mesa - PO	0							
		Devil's Den Pumping Plant	14.86		887							
				KCWA Reach 31A Subtotal:	1,738	0	0	1,738	0	0		
				KCWA Total:	10,753	0	0	10,753	0	0		
33A	C-7	Bluestone Pumping Plant	19.05		806	240	240	0	0	673		
	C-8	Polonio Pass Pumping Plant	26.54		942							
	C-9	Tank Site 1	27.81	(CCWA) Polonio Pass Treatment Plant	0							
	C-10	Shandon T.O.	38.23	Santa Barbara County (CCWA)	673							
		Tank Site 2	58.63	Central Coast:	0							
34	C-11	Chorro Valley T.O.	69.31	San Luis Obispo County (CCWA)	240	240	0	0	0	673		
		Energy Dissipater	78.12									
		Lopez T.O.	85.86	SLOCFC & WCD	0							
35	C-12			CCWA Total:	913	240	0	0	0	673		
		Guadalupe T.O.	102.70	SBCFC & WCD	0							
		Santa Maria T.O.	107.43	SBCFC & WCD	0							
		So. Cal. Water T.O.	109.20	SBCFC & WCD	0							
38				SBCFC & WCD Total:	0	0	0	0	0	0		
		Tank Site 5	115.42									

1/ Pump Recovery.

Table 24. Southern Field Division Plant Data

(in acre-feet)

February 2009

Date	West Branch						East Branch								East Branch Extension		
	Oso Pumping Plant	Warne Powerplant			Castaic Powerplant		Alamo Powerplant			Pearblossom Pumping Plant	Mojave Siphon Powerplant			Devil Canyon Powerplant Generation	Green Spot	Crafton Hills	Cherry Valley
		Generation	Leakage	Gorman Crk. Improvement Channel	Generation 1/	Pumpback 1/	Generation	Bypass Through Plant	Tehachapi Afterbay Bypass		Generation	Leakage	Bypass Flume				
1	2,559	1,577	0	0	897	0	288	0	0	187	180	0	0	182	6	0	11
2	1,242	1,616	0	0	2,457	596	288	0	0	185	185	0	0	99	55	49	8
3	1,388	1,568	0	0	2,634	850	210	0	0	139	137	0	0	120	42	38	8
4	1,437	1,596	0	0	3,023	979	203	0	0	185	144	0	0	181	42	38	9
5	1,493	1,609	0	0	3,332	1,012	206	0	0	185	142	0	0	161	29	23	9
6	1,492	1,654	0	0	1,946	809	252	0	0	185	140	0	0	167	32	28	9
7	1,492	1,589	0	0	1,739	2,020	203	0	0	185	140	0	0	142	0	0	9
8	2,559	1,597	0	0	1,938	1,847	245	0	0	139	140	0	0	94	28	23	8
9	1,385	1,058	0	0	2,508	918	246	0	0	139	268	0	0	106	53	49	8
10	1,385	1,348	0	0	2,930	677	23	0	0	0	14	0	0	112	40	38	16
11	1,388	2,247	0	0	1,857	581	0	0	0	0	0	18	0	162	39	38	17
12	1,388	1,620	0	0	3,693	821	0	0	0	0	0	18	0	81	22	23	9
13	1,450	1,623	0	0	2,350	0	0	0	0	0	18	9	0	66	28	28	8
14	1,437	1,642	0	0	859	1,359	0	0	0	0	0	18	0	72	0	0	8
15	2,559	1,635	0	0	837	0	0	0	0	0	0	18	0	30	0	0	7
16	1,490	1,352	0	0	2,791	679	25	0	0	0	19	0	0	101	26	26	7
17	1,383	1,606	0	0	3,299	715	0	0	0	0	26	0	0	84	51	50	17
18	1,389	1,659	0	0	1,236	693	100	0	0	69	107	0	0	108	45	45	23
19	1,489	1,660	0	0	3,295	602	104	0	0	69	107	0	0	118	39	39	24
20	1,437	1,606	0	0	2,743	725	0	0	0	0	21	0	0	117	38	39	18
21	1,437	1,583	0	0	507	0	49	0	0	0	21	0	0	75	1	1	8
22	2,559	1,622	0	0	1,346	1,479	0	0	0	0	0	0	0	16	13	13	7
23	1,384	1,597	0	0	3,119	710	171	0	0	153	0	21	0	70	37	37	6
24	1,470	1,632	0	0	3,490	892	170	0	0	0	0	21	0	98	38	38	7
25	1,233	1,701	0	0	2,752	0	172	0	0	115	21	0	0	142	32	32	8
26	1,384	1,045	0	0	3,180	820	0	0	0	0	0	20	0	145	26	26	8
27	1,388	1,450	0	0	3,018	822	101	0	0	0	21	0	0	215	24	25	8
28	1,383	1,346	0	0	1,133	1,058	100	0	0	0	0	21	0	122	0	0	0
Total	44,080	43,838	0	0	64,909	21,664	3,156	0	0	1,935	1,851	164	0	3,186	786	746	285

1/ Values supplied by LADWP, not verified by DWR.

Table 25. Pyramid Lake

Daily Operation

Capacity: 171,200 ac-ft

(in acre-feet except as noted)

February 2009

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow				Computed Losses (-) And Gains (+)		
				Project		Natural	Project		To Piru Creek				
				Castaic Powerplant Pumpback 1/	Warne Power-plant	Gorman Creek Improv. Channel	Stream Flow	Castaic Powerplant Generation 1/	Recrea-tion Deliveries	Natural	Del. To United W.A.		
Jan 31	2575.01	166,070											
1	2575.59	166,808	738	0	1,577	0	36	897	0	46	0	68	
2	2575.27	166,400	-408	596	1,616	0	36	2,457	0	46	0	-153	
3	2574.91	165,942	-458	850	1,568	0	34	2,634	0	46	0	-230	
4	2574.85	165,866	-76	979	1,596	0	34	3,023	0	46	0	384	
5	2574.15	164,978	-888	1,012	1,609	0	47	3,332	0	40	0	-184	
6	2574.71	165,688	710	809	1,654	0	137	1,946	0	40	0	96	
7	2575.43	166,604	916	2,020	1,589	0	207	1,739	0	60	0	-1,101	
8	2576.75	168,292	1,688	1,847	1,597	0	149	1,938	0	139	0	172	
9	2576.21	167,600	-692	918	1,058	0	119	2,508	0	198	0	-81	
10	2575.15	166,248	-1,352	677	1,348	0	76	2,930	0	159	0	-364	
11	2575.92	167,230	982	581	2,247	0	58	1,857	0	89	0	42	
12	2574.75	165,739	-1,491	821	1,620	0	50	3,693	0	60	0	-229	
13	2574.11	164,928	-811	0	1,623	0	53	2,350	0	60	0	-77	
14	2575.95	167,268	2,340	1,359	1,642	0	44	859	0	89	0	243	
15	2576.63	168,138	870	0	1,635	0	37	837	1	123	0	159	
16	2576.03	167,370	-768	679	1,352	0	145	2,791	0	298	0	145	
17	2574.88	165,904	-1,466	715	1,606	0	121	3,299	0	238	0	-371	
18	2575.96	167,281	1,377	693	1,659	0	66	1,236	0	109	0	304	
19	2574.95	165,993	-1,288	602	1,660	0	46	3,295	0	105	0	-196	
20	2574.56	165,498	-495	725	1,606	0	46	2,743	0	60	0	-69	
21	2575.65	166,885	1,387	0	1,583	0	55	507	0	61	0	317	
22	2577.26	168,948	2,063	1,479	1,622	0	72	1,346	0	61	0	297	
23	2576.33	167,754	-1,194	710	1,597	0	162	3,119	0	60	0	-484	
24	2575.65	166,885	-869	892	1,632	0	307	3,490	0	232	0	22	
25	2574.62	165,574	-1,311	0	1,701	0	222	2,752	0	295	0	-187	
26	2573.76	164,485	-1,089	820	1,045	0	182	3,180	0	168	0	212	
27	2573.12	163,677	-808	822	1,450	0	168	3,018	0	79	0	-151	
28	2574.56	165,498	1,821	1,058	1,346	0	155	1,133	0	60	0	455	
Total				-572	21,664	43,838	0	2,864	64,909	1	3,067	0	-961

1/ Values supplied by LADWP, not verified by DWR.

Table 26. Elderberry Forebay

Daily Operation

(in acre-feet except as noted)

Capacity: 32,476 ac-ft

February 2009

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow			Computed Losses (-) And Gains (+)	
				Castaic Powerplant Generation 1/	Natural	Castaic Powerplant Pumpback 1/	To Castaic Lake			
					Natural		Natural	Project 1/		
Jan 31	1508.66	18,672								
1	1510.75	19,474	802	897	1	0	1	0	-95	
2	1515.64	21,421	1,947	2,457	1	596	1	0	86	
3	1513.41	20,520	-901	2,634	1	850	1	2,683	-2	
4	1512.25	20,060	-460	3,023	1	979	1	2,504	0	
5	1513.47	20,544	484	3,332	2	1,012	2	1,833	-3	
6	1508.91	18,767	-1,777	1,946	53	809	53	2,960	46	
7	1510.78	19,486	719	1,739	53	2,020	53	0	1,000	
8	1511.22	19,657	171	1,938	26	1,847	26	0	80	
9	1509.22	18,885	-772	2,508	25	918	25	1,991	-371	
10	1506.88	18,003	-882	2,930	20	677	20	3,399	264	
11	1510.45	19,358	1,355	1,857	19	581	19	0	79	
12	1512.04	19,978	620	3,693	19	821	19	2,236	-16	
13	1509.99	19,180	-798	2,350	23	0	23	3,175	27	
14	1508.89	18,760	-420	859	24	1,359	24	0	80	
15	1511.05	19,590	830	837	23	0	23	0	-7	
16	1510.42	19,346	-244	2,791	111	679	111	2,349	-7	
17	1508.48	18,604	-742	3,299	170	715	170	3,274	-52	
18	1510.20	19,261	657	1,236	114	693	114	0	114	
19	1509.23	18,889	-372	3,295	76	602	76	2,900	-165	
20	1508.51	18,615	-274	2,743	57	725	57	2,255	-37	
21	1510.04	19,200	585	507	45	0	45	0	78	
22	1509.99	19,180	-20	1,346	37	1,479	37	0	113	
23	1509.91	19,150	-30	3,119	32	710	32	2,329	-110	
24	1507.15	18,104	-1,046	3,490	28	892	28	3,614	-30	
25	1514.21	20,841	2,737	2,752	26	0	26	0	-15	
26	1513.26	20,460	-381	3,180	23	820	23	2,689	-52	
27	1513.43	20,528	68	3,018	21	822	21	2,085	-43	
28	1513.47	20,544	16	1,133	21	1,058	21	0	-59	
Total				1,872	64,909	1,052	21,664	1,052	42,276	903

1/ Values supplied by LADWP, not verified by DWR.

Table 27. Castaic Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 323,699 ac-ft

February 2009

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow		Computed Losses (-) And Gains (+)	
				From Elderberry Forebay 1/		Natural	Deliveries	Released To Castaic Lagoon		
				Natural	Project					
Jan 31	1481.18	253,180								
1	1480.54	251,939	-1,241	1	0	5	1,177	0	-70	
2	1479.94	250,778	-1,161	1	0	4	1,247	0	81	
3	1480.61	252,074	1,296	1	2,683	4	1,340	10	-42	
4	1481.18	253,180	1,106	1	2,504	4	1,321	10	-72	
5	1481.69	254,172	992	2	1,833	9	1,209	10	367	
6	1482.73	256,201	2,029	53	2,960	109	973	10	-110	
7	1482.18	255,127	-1,074	53	0	141	980	10	-278	
8	1481.62	254,036	-1,091	26	0	48	982	143	-40	
9	1482.17	255,107	1,071	25	1,991	43	1,004	118	134	
10	1483.14	257,003	1,896	20	3,399	32	1,459	107	11	
11	1482.34	255,439	-1,564	19	0	25	1,459	89	-60	
12	1482.77	256,279	840	19	2,236	22	1,844	40	447	
13	1484.10	258,887	2,608	23	3,175	27	760	40	183	
14	1483.70	258,101	-786	24	0	25	704	40	-91	
15	1483.30	257,317	-784	23	0	22	683	50	-96	
16	1484.33	259,340	2,023	111	2,349	82	704	10	195	
17	1485.90	262,440	3,100	169	3,274	169	693	10	191	
18	1485.54	261,727	-713	113	0	87	609	10	-294	
19	1486.77	264,167	2,440	76	2,900	52	770	10	192	
20	1487.58	265,780	1,613	57	2,255	38	760	10	33	
21	1487.25	265,122	-658	45	0	30	703	10	-20	
22	1486.89	264,405	-717	37	0	24	704	10	-64	
23	1488.06	266,738	2,333	32	2,329	22	8	0	-42	
24	1489.86	270,350	3,612	28	3,614	20	0	0	-50	
25	1489.87	270,370	20	26	0	19	0	0	-25	
26	1491.27	273,181	2,811	24	2,689	17	0	0	81	
27	1492.29	275,258	2,077	22	2,085	17	0	0	-47	
28	1492.25	275,177	-81	21	0	16	35	32	-51	
Total				21,997	1,052	42,276	1,113	22,128	779	463

1/ Values supplied by LADWP, not verified by DWR.

Table 28. Governor Edmund G. Brown California Aqueduct
 Southern Field Division, Monthly Deliveries (West Branch)

(In acre-feet)

February 2009

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending		No.			Table A	Rec.	Local	General Conveyance	Article 56C/12E	Other	
	No.	Structure	Mile									
29A	42	Oso Pumping Plant	1.49		44,080							
29F	W2	Quail Lake	5.02	Antelope Valley-East Kern Water Agency	Re-moved							
		Quail Lake Embankment	7.82	Antelope Valley-East Kern Water Agency	Stub							
29G		Warne Power Plant	14.07	(No flow through Gorman Creek Imp. Channel)	43,838							
29H	W3	Pyramid Lake		USFS								
				Pyramid Recreation (T300)	1							
				United WA (T300)	0							
		Pyramid Dam	17.10	California State Park Piru Fish (T300)	0							
29J	W4	Castaic Power Plant	25.82	(21,664 AF pumpback) 2/	64,909							
		Elderberry Forebay										
		Forebay Dam	28.12									
30 1/	W5	Castaic Lake		California State Park								
				Castaic Lake Recreation (T301)	4							
		Castaic Dam	31.47									
		Castaic Lake Outlet	31.55	MWDSC 78" & 132" (T302)	21,201							
				Castaic Lake WA 18", 24" & 54" (T303)	130							
				Castaic Lake WA Rio Vista T.P. (T304)	793							
				MWD-Ventura Co. WPD (T302)	0							
				Releases to Lagoon	779							
				Reach 30 Subtotal:	22,128	0	4	0	0	923	21,201	
	W6	Castaic Lagoon		California State Park Recreation to Lagoon (T353)	0							
		Castaic Lagoon Outlet	31.87		740							

1/ Reach 30 actually terminates at mile 31.50. It is shown here as including the outlet works at mile 31.55.

All deliveries from the outlet works and from the Lagoon are billed to Reach 30.

2/ Value Supplied by LADWP, not verified by DWR.

3/ Includes 8,227 AF of Flexible Withdrawal, 800 AF to Kern-Delta Water Bank Recovery, 4,305 AF to Semitropic Recovery, and 7,869 AF to Arvin Edison Recovery.

4/ Article 56C.

Table 29. Silverwood Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 74,970 ac-ft

February 2009

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow					Computed Losses (-) And Gains (+)	Las Flores Ranch Exchange 1/		
							Project			Del. To Mojave W.A.	Natural To Mojave River				
				Mojave Siphon Power-plant	Mojave Bypass Flume	Natural Stream Flow	Delivered to CLAWA	Rec.	San Bernardino Tunnel						
Jan 31	3349.83	70,016													
1	3349.69	69,885	-131	180	0	11	3	0	182	0	2	-135	11		
2	3349.72	69,913	28	185	0	11	3	0	99	0	2	-64	11		
3	3349.86	70,045	132	137	0	11	3	0	120	0	2	109	11		
4	3349.88	70,063	18	144	0	11	3	0	181	0	2	49	11		
5	3349.91	70,092	29	142	0	14	4	0	161	0	2	40	14		
6	3350.25	70,412	320	140	0	181	3	0	167	0	38	207	46		
7	3350.64	70,780	368	140	0	277	3	0	142	0	84	180	46		
8	3350.81	70,941	161	140	0	131	3	0	94	0	84	71	46		
9	3351.29	71,397	456	268	0	159	3	0	106	0	84	222	46		
10	3351.18	71,291	-106	14	0	95	1	0	112	0	84	-18	46		
11	3350.92	71,045	-246	0	18	71	6	1	162	0	84	-82	46		
12	3350.95	71,074	29	0	18	61	3	0	81	0	31	65	46		
13	3351.09	71,207	133	18	9	59	3	0	66	0	4	120	46		
14	3351.06	71,178	-29	0	18	54	3	0	72	0	2	-24	46		
15	3351.09	71,207	29	0	18	50	3	0	30	0	2	-4	46		
16	3351.65	71,739	532	19	0	393	2	0	101	0	35	258	46		
17	3351.91	71,987	248	26	0	284	6	1	84	0	83	112	46		
18	3351.82	71,901	-86	107	0	133	3	0	108	0	83	-132	45		
19	3351.93	72,006	105	107	0	106	3	0	118	0	83	96	45		
20	3351.82	71,901	-105	21	0	87	4	0	117	0	84	-8	45		
21	3352.05	72,121	220	21	0	76	3	0	75	0	82	283	45		
22	3351.79	71,873	-248	0	0	80	3	0	16	0	83	-226	45		
23	3351.74	71,825	-48	0	21	94	3	0	70	0	81	-9	45		
24	3351.71	71,796	-29	0	21	97	3	0	98	0	84	38	45		
25	3351.65	71,739	-57	21	0	100	3	0	142	0	3	-30	45		
26	3351.54	71,634	-105	0	20	86	3	0	145	0	2	-61	45		
27	3351.51	71,606	-28	21	0	76	3	0	215	0	2	95	45		
28	3351.37	71,473	-133	0	21	70	2	0	122	0	2	-98	45		
Total				1,457	1,851	164	2,878	88	2	3,186	0	1,214	1,054	1,105	

1/ Project water delivered from Mojave Siphon in exchange for like amount of Natural Streamflow.

Table 30. Lake Perris

Daily Operation

(in acre-feet except as noted)

Capacity: 131,452 ac-ft

February 2009

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow 1/	Outflow 2/	Computed Losses (-) Gains (+) 1/
Jan 31	1556.59	62,861				
1	1556.62	62,913	52		155	
2	1556.40	62,531	-382		245	
3	1556.24	62,253	-278		174	
4	1556.13	62,062	-191		218	
5	1556.18	62,149	87		184	
6	1556.04	61,907	-242		182	
7	1555.96	61,768	-139		161	
8	1555.93	61,717	-51		65	
9	1555.88	61,630	-87		125	
10	1555.58	61,114	-516		139	
11	1555.58	61,114	0		167	
12	1555.52	61,010	-104		151	
13	1555.52	61,010	0		132	
14	1555.44	60,873	-137		104	
15	1555.27	60,582	-291		104	
16	1555.33	60,684	102		92	
17	1555.30	60,633	-51		104	
18	1555.25	60,547	-86		146	
19	1555.08	60,257	-290		163	
20	1554.81	59,796	-461		163	
21	1554.86	59,881	85		164	
22	1554.89	59,933	52		149	
23	1554.62	59,473	-460		163	
24	1554.73	59,660	187		200	
25	1554.64	59,507	-153		116	
26	1554.53	59,320	-187		163	
27	1554.34	58,998	-322		152	
28	1554.29	58,914	-84		153	
Total		-3,947		370	4,234	-83

1/ Readings are not taken on a daily basis. End of month only.

2/ Includes deliveries to MWD from Reach 28J and recreation water to California State Park at Lake Perris.

Table 31. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (East Branch)

(In acre-feet)

February 2009

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending		No.			Table A	Rec.	Local	General Conveyance	Article 56C/12E	Other	
	No.	Structure	Mile									
17E	40	Edmonston Pumping Plant	293.45		47,573							
	41		298.65	KCWA Tej.-Cas	Stub							
17F		Check No. 41	303.41									
18A	42		304.99	AVEK WA-Temp for TEA construction (T389)	0							
		Check No. 42	304.99									
18A	43	Alamo Powerplant	305.73	(Includes 3,156 AF generation, 0 AF plant bypass, and 0 AF Tehachapi bypass)	3,156							
			306.71	AVEK 305th Street West (T287)	0							
19			308.05	AVEK 294th Street West (T267)	0							
			309.70									
	44		311.84	LADWP Connection	0							
			313.50	AVEK 245th Street West (T269)	0							
			314.81	Check No. 44								
	45		314.93	AVEK 235th Street West (T270)	0							
			315.57	AVEK 225th Street West (T271)	0							
			319.74	Check No. 45								
	46		323.19	Antelope Valley-East Kern WA Fairmont (T272)	130							
				Mojave Water Agency Fairmont (T272)	58							
			323.84	Check No. 46								
				Reach 19 Total:	188							
20A	47	Check No. 47	326.77			0	0	0	188	0	0	
	48		326.91	Antelope Valley-East Kern WA Willow Springs (T273)	10							
			329.65	Antelope Valley-East Kern WA 120th Street West	Re-moved							
			330.82	Check No. 48								
	49	Check No. 49	335.93									
20B	50		336.73	Antelope Valley-East Kern WA Quartz Hill (T274)	265							
			339.68	Antelope Valley-East Kern WA Rancho Vista (T275)	1							
			340.92	AVEK WA-Temp (T387)	0							
			341.51	Check No. 50								
	51		342.06	AVEK WA-Temp (T386)	0							
20B	52		342.07	Check No. 51								
			342.95	Antelope Valley-East Kern WA 30th Street West (T414)	0							
			343.74	Check No. 52								
	53		346.98	Palmdale WD (T276) Temp.	817							
			348.14	Antelope Valley-East Kern WA Acton Treatment Plant (T277)	0							
21			348.17	Check No. 53								
			349.52	Palmdale WD (T394)	0							
	54	Check No. 54	350.25									
	55	Check No. 55	352.70									
	56	Check No. 56	354.76									
22A	57		354.97	AVEK WA- Delivered through Littlerock Creek ID (T278)	0							
			354.97	Palmdale WD (T276)	0							
			354.97	Palmdale WD (T391)	0							
			356.93	Check No. 57								
	58		357.60	AVEK 95th Street East (T279)	3							
			357.72	AVEK 96th Street East (T280)	0							
			359.76	AVEK East Side Treatment Plant (T281)	5							

1/ Article 56C - conveyance of non-project "Nickel" water.

Table 31. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (East Branch, Continued)

(In acre-feet)

February 2009

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries							
	Beginning and Ending				Table A	Rec.	Local	General Conveyance	Article 56C/12E	Other		
	No.	Structure	Mile									
22B	58	Pearblossom Pumping Plant	360.61		1,935	5	7	60	1/ 1,105	2/ 28		
	59	Check No. 59	366.09									
	60		366.50	AVEK Big Rock Siphon (T368)	0							
	61	Check No. 60	373.94									
	62	Check No. 61	379.00									
	63		384.26	Mojave Water Agency								
		Check No. 63	389.20	White Road 24" & 42" (T282)	5							
	64	Check No. 64	395.10									
	65	Check No. 65	400.32									
	66		401.10	Mojave Water Agency								
23				Morongo 24" & 42" (T284)	7							
		Check No. 66	403.41									
24		Mojave Siphon	405.58	Las Flores Ranch Exchange	1,105	2	60	5/ 1,191	3/ 1,742	4/ 127		
		Mojave Siphon Powerplant	405.65		1,851							
25		Silverwood Lake	407.65	MWA CS DAM (T288)	0							
				California State Park Silverwood (T288)	2							
26A	67	San Bernardino Intake Tunnel	407.70	Crestline-Lake Arrowhead WA								
				State Project Water (T289)	0							
28G	68	Devil Canyon Afterbay Control Structures	412.88	Non-Project Water (T289)	88							
					3,186							
28H	69	Santa Ana Valley Pipeline	425.46	MWD-Rialto (T292)	0							
				MWD-Rialto (T293)	1,742							
28J	69	Lake Perris	433.06	Desert Water Agency Transfer (T293)	0							
				Coachella Valley WD Transfer (T293)	0							
			440.05	MWD EBX-1 (T290)	0							
				MWD EBX-1 (T291)	0							
			442.00	East Branch Extension	1,318							
				San Bernardino Valley MWD	0							
			443.44	MWD Total:	27,107							
						0	0	0	0	0		

1/ Project water delivered from Mojave Siphon in exchange for like amount of natural stream flow.

2/ SBVMWD's stored 2005 Table A water transferred to Crestline Lake Arrowhead WA.

3/ Semitropic Recovery.

4/ Includes 19 AF of pumped water and 108 AF of gravity flow to San Gorgonio Pass WA.

5/ Includes 1,024 AF of Article 56C to San Bernardino Valley MWD, and 167 AF of Article 12E to San Gorgonio Pass WA.

6/ Flexible Withdrawal.

Table 32. Water Quality At Selected SWP Locations

February 2009

Constituent	Units	Thermalito Afterbay At Outlet	North Bay Aqueduct Barker Slough Pumping Plant	Delta Mendota Canal At McCabe Rd.	California Aqueduct					
					Banks Pumping Plant	O'Neill Forebay Outlet (Check 13)	Kettleman City (Check 21)	Near Hwy 119 (Check 29)	Tehachapi Afterbay (Check 41)	Devil Canyon Headworks
Alkalinity	mg/l as CaCO ₃	50	109	124	97	98	93	78	91	78
Antimony	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NR	NR
Arsenic	mg/l	<0.001	0.001	0.002	0.003	0.002	0.002	0.005	0.006	0.004
Beryllium	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	mg/l	0.1	0.2	0.5	0.3	0.3	0.3	0.2	0.2	0.2
Bromide	mg/l	<0.01	0.03	0.43	0.40	0.39	0.40	0.26	0.22	0.24
Calcium	mg/l	11	15	45	31	31	29	33	34	27
Chloride	mg/l as C	1	23	148	132	133	127	76	57	70
Chromium	mg/l as C	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0	0	0
Copper	mg/l	0	0	0	0	0	0	0	0	0
Fluoride	mg/l	<0.1	NR	NR	NR	NR	NR	NR	NR	NR
Hardness	mg/l	48.000	107.000	222.000	164.000	168.000	153.000	110.000	110.000	101.000
Iron	mg/l	<0.005	0	0	0	0	<0.005	<0.005	<0.005	0.0
Lead	mg/l as CaCO ₃	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/l	5.000	17.000	27.000	21.000	22.000	20.000	7.000	6.000	8.000
Manganese	mg/l	<0.005	0.022	<0.005	0.007	0.005	<0.005	<0.005	<0.005	<0.005
Nitrate + Nitrite	mg/l	<0.01	0	NR	1	1	1	1	2	1
Organic Carbon, Dissolved	mg/l	NR	8.900	4.500	4.400	4.200	3.200	1.700	1.000	2.800
Organic Carbon, Total	mg/l as N	NR	9.80	4.60	5.30	4.40	3.30	2.00	1.00	2.80
Phosphate-Ortho	mg/l as P	<0.01	<0.01	NR	0.07	0.07	0.04	NR	<0.01	0.03
Phosphorus-Total	mg/l	0.01	0.25	NR	0.12	0.10	0.05	0.02	0.02	0.04
Selenium	mg/l	<0.001	<0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001
Sodium	mg/l	5	34	121	92	95	88	65	58	58
Specific Conductance	µS/cm	106	335	971	729	759	707	523	493	482
Sulfate	mg/l	2	27	133	72	70	64	54	58	43
Total Dissolved Solids	mg/l	64	191	568	428	432	396	300	289	266
Turbidity	NTU	4	47	6	10	3	<1	2	<1	<1
Zinc	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

mg/l milligrams per liter

µg/l micrograms per liter

µS/cm microSiemens per centimeter

NR - Not Reported

NTU - nephelometric turbidity units

Table 33. Water Quality At Selected Delta Stations

February 2009

Date	Antioch Tides (feet above mean sea level)		Flow In CFS		Rio Vista	Electrical Conductivity in millSiemens/cm								Cl in mg/l		
			Net Delta Outflow Index			Antioch	Chippis Island	Emmaton		Jersey Point		Clifton Court	Cache Slough	Delta Mendota Canal		
	Highest High Tide	Actual High Half Tide	Mean Daily	Monthly Average		md	md	md	14dm	md	14dm	md	md	md		
38	1	5.10	3.19	8,752	6,788	7,833	2.12	6.76	0.62	1.67	0.95	1.44	0.73	0.92	0.83	97
	2	5.18	3.11	8,606	6,935	7,626	2.05	6.70	0.62	1.60	0.91	1.40	0.74	0.95	0.87	93
	3	5.58	3.48	8,100	7,041	7,195	2.36	7.44	0.80	1.50	0.95	1.35	0.74	0.94	0.87	93
	4	6.11	3.99	7,418	7,129	6,660	3.03	9.14	1.13	1.39	1.06	1.28	0.71	0.92	0.85	92
	5	6.48	4.26	7,465	7,228	6,682	3.58	10.41	1.62	1.30	1.17	1.23	0.72	0.91	0.84	93
	6	6.68	4.37	8,417	7,355	7,118	3.60	9.92	1.67	1.22	1.14	1.18	0.74	0.94	0.87	94
	7	6.61	4.27	10,371	7,576	7,709	3.21	9.35	1.43	1.11	1.01	1.12	0.78	0.95	0.91	102
	8	6.63	4.37	10,267	7,784	7,583	3.22	9.93	1.60	1.04	0.99	1.07	0.87	0.87	0.94	96
	9	6.34	4.28	10,276	7,957	7,195	2.87	9.44	1.38	1.03	0.90	1.03	0.84	0.82	0.94	102
	10	5.65	3.72	10,854	8,155	7,583	2.03	7.40	0.80	1.02	0.78	1.00	0.00	0.81	0.99	95
	11	5.47	3.73	9,516	8,319	8,015	1.87	6.55	0.75	1.02	0.74	0.97	0.73	0.84	0.99	94
	12	0.00	0.00	8,910	8,463	8,013	1.65	5.78	0.59	1.01	0.72	0.95	0.79	0.86	0.88	93
	13	0.00	0.00	9,785	8,628	8,588	1.80	5.92	0.62	1.02	0.72	0.93	0.70	0.69	0.92	95
	14	5.55	3.78	13,792	8,943	9,719	1.70	5.46	0.54	1.01	0.70	0.91	0.78	0.50	0.86	96
	15	6.08	4.08	15,496	9,316	10,769	2.10	6.21	0.70	1.02	0.75	0.90	0.74	0.56	0.83	102
	16	6.46	4.56	16,344	9,711	11,994	2.57	7.00	0.74	1.03	0.84	0.89	0.00	0.29	0.79	96
	17	6.48	4.52	17,990	10,170	13,294	1.95	6.71	0.64	1.01	0.83	0.88	0.72	0.24	0.81	94
	18	5.63	3.98	33,181	11,140	21,325	1.57	3.62	0.36	0.96	0.66	0.85	0.75	0.24	0.89	92
	19	5.54	3.92	39,031	12,317	29,819	1.02	2.38	0.30	0.87	0.61	0.81	0.74	0.38	0.86	93
	20	5.69	3.97	40,098	13,507	32,053	0.80	1.66	0.26	0.76	0.56	0.77	0.72	0.51	0.79	92
	21	5.78	4.03	40,651	14,714	32,624	0.70	1.11	0.21	0.68	0.52	0.74	0.68	0.60	0.77	100
	22	6.25	4.43	36,024	15,537	29,654	0.63	1.12	0.19	0.58	0.50	0.70	0.66	0.47	0.76	100
	23	6.27	4.40	27,533	16,022	24,829	0.60	0.87	0.19	0.49	0.47	0.67	0.63	0.18	0.73	96
	24	5.73	4.06	28,975	16,535	25,229	0.56	0.49	0.20	0.45	0.44	0.65	0.64	0.28	0.72	94
	25	5.71	4.08	37,844	17,324	32,137	0.51	0.35	0.22	0.41	0.42	0.62	0.69	0.39	0.72	92
	26	5.50	4.05	41,492	18,238	36,322	0.46	0.29	0.21	0.38	0.38	0.60	0.63	0.53	0.71	92
	27	5.46	3.84	42,463	19,273	36,966	0.43	0.26	0.18	0.35	0.36	0.58	0.67	0.61	0.72	93
	28	5.45	3.75	36,906	20,194	34,218	0.40	0.23	0.17	0.33	0.34	0.55	0.66	0.70	0.72	97

Clifton Court Cl(mg/l)=200X EC - 25

e = Estimated

N.R. = No Record.

N.C. = Not computed due to insufficient data.

f = Excess Delta conditions with fish concerns.

r = Excess delta conditions with export/inflow ratio concerns.

s = Balanced water conditions with storage withdrawals.

dm = Daily Mean

md = Mean Daily

Table 34. Pesticides, Herbicides, and Other Organic Substances Detected In the SWP

February 2009

Sampling Location	Sample Date 1/	Chemical Detected	Concentration µg/l 2/
North Bay Aqueduct At Barker Slough Pumping Plant	September 17, 2008	Atrazine	0.11
California Aqueduct At Banks Pumping Plant	June 18, 2008	Diuron Metolachlor Simazine	0.25 0.20 0.02
O'Niell Forebay Outlet Check 13	June 18, 2008	Diuron Simazine	0.27 0.03
Delta Mendota Canal At McCabe Road	June 18, 2008	Diuron Metolachlor	0.29 0.10
California Aqueduct Near Kettleman City (Check 21)	June 17, 2008	Diuron Simazine	0.27 0.03
California Aqueduct At Near Highway 119 (Check 29)	June 17, 2008	Simazine	0.03
California Aqueduct at Tehachapi Afterbay (Check 41)	June 18, 2008	Diuron Simazine	0.25 0.03
California Aqueduct At Devil Canyon Headworks	June 18, 2008	Diuron Simazine	0.40 0.10

1/ Locations are normally sampled during March, June, and September. Monthly reports will include data for the month in which samples were most recently taken.

2/ Micrograms per liter.

Table 35. Oroville and Delta Field Divisions Energy Data

(in kWh)

February 2009

Date	Oroville Thermalito Complex		Barker Slough Pumping Plant	Cordelia Pumping Plant Load	Banks Pumping Plant		South Bay Pumping Plant Load	Del Valle Pumping Plant Load
	Generation	Load			Total Load	SWP Load		
1	762,366	6,182	15,215	18,668	587,328	587,328	154,507	1,044
2	682,341	7,524	19,793	22,610	586,912	586,912	153,915	1,011
3	882,233	6,666	19,867	22,145	586,256	586,256	154,707	977
4	716,815	6,050	18,366	20,033	587,424	587,424	116,314	976
5	335,269	8,910	10,874	20,258	587,728	587,728	136,688	960
6	600,798	7,986	19,641	23,153	618,240	618,240	181,277	959
7	551,177	7,040	15,003	18,148	535,768	535,768	203,392	959
8	1,230,845	3,267	13,579	18,157	595,152	595,152	200,195	959
9	1,014,552	6,633	14,482	16,998	597,200	597,200	189,580	959
10	723,008	7,546	16,459	18,798	597,560	597,560	204,438	953
11	1,406,537	7,348	17,383	24,819	974,464	974,464	207,924	955
12	1,336,973	4,642	16,687	26,683	1,085,688	1,085,688	209,795	958
13	1,226,852	5,280	20,010	28,752	1,396,280	1,396,280	226,345	955
14	805,563	6,380	21,487	29,973	1,124,360	1,124,360	217,763	951
15	42,273	11,132	22,941	29,479	1,098,384	1,098,384	191,958	955
16	42,603	10,890	24,591	32,867	1,137,560	1,137,560	211,727	950
17	746,306	7,370	19,855	30,663	1,267,920	1,267,920	206,278	945
18	687,115	7,524	13,974	27,971	1,188,440	1,188,440	216,706	941
19	1,014,464	7,623	7,550	18,366	1,416,432	1,416,432	197,620	939
20	652,157	8,041	2,901	7,577	1,660,984	1,660,984	203,568	933
21	329,076	8,030	2,834	6,109	1,546,368	1,546,368	196,954	941
22	1,042,448	9,526	2,991	6,121	1,618,456	1,618,456	197,445	932
23	376,772	5,368	2,370	6,120	1,672,688	1,672,688	212,230	928
24	330,000	143	1,933	6,125	1,635,256	1,635,256	186,624	935
25	33,979	286	3,263	6,100	1,585,904	1,585,904	128,933	943
26	77,726	88	1,291	3,722	1,873,416	1,873,416	113,765	941
27	325,556	0	833	1,165	1,802,216	1,802,216	129,308	948
28	572,638	0	414	464	1,798,792	1,798,792	127,777	951
Total	18,548,442	167,475	346,587	492,044	31,763,176	31,763,176	5,077,733	26,758

Table 36. San Luis Field Division Energy Data

(in kWh)

February 2009

Date	Dos Amigos Pumping Plant		Gianelli Pumping-Generating Plant			
	Total Load	SWP Load 1/	Total Generation	SWP Generation 1/	Total Load	SWP Load 1/
1	315,102	203,102	284,856	284,856	891,396	561,396
2	128,414	16,414	0	0	604,296	588,296
3	128,670	16,670	0	0	26,059	26,059
4	236,386	108,386	0	0	494,307	478,307
5	218,219	106,219	237,248	-32,752	336,919	336,919
6	194,464	170,464	234,564	-35,436	308,715	284,715
7	151,650	111,650	0	0	325,413	325,413
8	258,546	234,546	0	0	23,067	23,067
9	87,138	63,138	0	0	23,628	23,628
10	131,536	107,536	0	0	23,562	7,562
11	46,614	-97,386	0	0	650,320	634,320
12	143,810	15,810	0	0	1,437,986	557,986
13	143,924	15,924	0	0	1,241,306	1,217,306
14	140,845	12,845	0	0	1,234,541	1,234,541
15	169,826	41,826	0	0	2,391,917	1,559,917
16	108,565	-19,435	0	0	2,907,278	2,075,278
17	109,700	-42,300	0	0	1,734,271	886,271
18	126,887	-1,113	0	0	670,494	670,494
19	98,368	-1,632	0	0	447,711	431,711
20	128,356	44,356	0	0	1,633,214	1,633,214
21	128,935	44,935	0	0	3,089,328	1,607,328
22	213,802	129,802	0	0	2,728,913	1,504,913
23	128,473	44,473	0	0	2,280,036	1,546,036
24	145,117	61,117	0	0	1,820,709	1,070,709
25	151,942	43,942	0	0	2,017,191	1,259,191
26	161,737	61,737	0	0	2,247,399	1,497,399
27	219,945	107,945	0	0	1,903,198	1,169,198
28	259,923	147,923	0	0	1,906,652	1,172,652
Total	4,476,894	1,748,894	756,668	216,668	35,399,826	24,383,826

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

Table 37. San Joaquin Field Division Plant Energy Load Data

(in kWh)

February 2009

Date	Coastal Branch					California Aqueduct			
	Las Perillas	Badger Hill	Devil's Den	Bluestone	Polonio	Buena Vista	Teerink	Chrisman	Edmonston
1	8,186	20,285	33,463	31,570	34,970	554,784	737,441	1,671,142	6,256,332
2	4,902	12,115	32,650	30,536	33,618	318,484	442,885	968,880	3,533,652
3	4,056	8,872	31,408	28,937	32,312	361,619	437,201	985,072	3,678,669
4	4,468	9,858	28,819	26,723	29,334	398,295	467,618	1,016,070	3,713,634
5	4,434	9,961	31,910	29,608	33,227	396,429	440,673	1,003,596	3,727,161
6	2,459	4,793	25,001	23,659	26,206	389,772	444,205	1,002,958	3,559,626
7	4,267	9,741	28,111	26,140	28,182	351,481	442,671	991,056	3,667,275
8	4,129	10,105	34,376	31,371	35,754	606,704	761,066	1,669,833	6,256,197
9	3,471	8,989	25,121	23,921	25,666	306,484	443,350	968,869	3,520,584
10	3,494	7,414	27,688	26,086	28,380	268,420	405,668	887,667	3,219,804
11	3,534	7,474	23,855	22,038	24,496	300,606	417,213	909,711	3,434,994
12	3,387	7,503	22,386	20,877	23,220	263,364	399,227	944,922	3,441,825
13	2,124	4,125	19,038	17,039	19,700	285,051	431,061	941,644	3,324,510
14	3,583	7,740	18,231	16,661	18,138	279,540	406,539	914,353	3,320,325
15	3,497	7,893	22,659	20,928	23,006	558,854	707,704	1,630,079	6,135,264
16	2,104	3,891	17,269	16,121	19,003	289,869	436,168	940,654	3,537,135
17	3,815	8,410	13,764	13,191	14,374	272,210	405,016	876,161	3,300,237
18	9,249	23,210	15,407	14,049	15,798	291,012	416,608	906,708	3,305,718
19	14,958	38,201	24,359	22,336	24,994	285,910	423,984	910,723	3,266,757
20	14,081	36,038	18,258	16,933	18,662	293,763	416,918	913,495	3,279,501
21	10,933	28,472	22,570	20,858	23,790	310,350	413,664	881,408	3,286,386
22	13,452	34,412	20,674	20,060	23,408	484,546	699,912	1,537,415	5,836,590
23	15,378	38,929	19,830	17,006	18,671	312,841	409,948	938,663	3,274,506
24	11,054	30,017	21,469	20,121	22,057	312,084	427,040	916,718	3,495,015
25	13,244	34,710	21,232	19,423	20,649	285,373	409,129	911,889	3,306,960
26	17,014	44,369	23,269	22,174	24,166	332,604	415,366	886,237	3,328,047
27	16,066	40,439	20,345	18,057	19,986	335,113	428,210	958,441	3,246,318
28	17,735	45,947	12,614	11,834	13,851	358,982	389,429	876,315	3,247,641
Total	219,074	543,913	655,776	608,257	675,618	9,804,544	13,075,914	28,960,679	106,500,663

Table 38. Southern Field Division Energy Data

(in kWh)

February 2009

Date	West Branch			East Branch				East Branch Extension		
	Oso Pumping Plant Load	Warne Powerplant Generation	Castaic SWP Gen /1	Alamo Powerplant Generation	Pearblossom Pumping Plant Load	Devil Canyon Powerplant Generation	Mojave Siphon Powerplant Generation	Green spot Pumping Plant	Crafton Hills Pumping Plant	Cherry Valley Pumping Plant
1	680,170	940,930	1,560,000	26,722	143,712	198,982	11,159	4,661	542	394
2	334,725	960,758	1,560,000	26,438	142,790	118,756	11,596	34,129	42,604	395
3	368,117	948,882	1,560,000	19,133	108,974	119,257	8,279	25,587	32,699	402
4	385,127	963,975	1,560,000	18,512	141,230	197,976	8,791	25,355	32,235	396
5	396,438	966,300	1,560,000	19,105	140,349	166,496	8,651	18,117	20,429	402
6	397,949	987,007	1,560,000	25,001	144,050	177,787	8,489	19,554	23,726	412
7	387,831	948,119	1,560,000	18,329	144,126	148,658	8,393	1,582	531	412
8	678,584	945,941	1,560,000	22,110	111,011	85,541	8,393	17,719	19,820	420
9	371,099	653,950	1,560,000	22,718	114,129	99,748	16,682	32,785	41,863	411
10	370,261	804,642	1,560,000	0	18,473	109,454	0	24,313	32,236	1,539
11	372,148	1,337,955	1,560,000	0	18,047	173,991	0	23,680	32,259	1,437
12	370,571	980,719	1,560,000	0	17,878	81,270	0	13,532	18,330	414
13	387,193	955,575	1,560,000	0	18,403	89,782	0	17,324	23,810	412
14	384,632	965,613	1,560,000	0	17,538	81,435	0	1,596	544	408
15	678,303	966,200	1,560,000	0	16,865	26,744	0	16,092	21,793	409
16	400,016	813,202	1,560,000	0	17,606	105,439	0	16,276	22,105	413
17	371,478	959,854	1,560,000	0	17,404	101,474	119	30,903	43,790	423
18	374,844	963,789	1,560,000	7,612	64,326	129,850	5,504	26,799	38,295	416
19	397,688	960,990	1,560,000	8,194	64,570	117,606	5,484	23,071	32,956	409
20	383,167	961,548	1,560,000	0	17,245	112,526	0	22,875	32,783	419
21	384,580	956,984	1,560,000	0	16,276	86,091	0	1,470	548	403
22	679,980	962,021	1,560,000	0	15,483	8,924	0	8,622	11,131	398
23	398,783	955,604	1,560,000	15,397	121,291	78,549	0	22,483	32,209	401
24	388,266	963,011	1,560,000	15,185	15,457	103,936	0	22,994	32,805	401
25	340,180	1,009,886	1,560,000	15,197	120,659	146,949	0	19,200	26,952	418
26	369,890	648,925	1,368,000	0	15,481	151,401	0	15,527	22,019	414
27	370,440	857,038	1,368,000	7,473	15,245	238,187	0	14,691	20,232	409
28	364,793	799,397	1,368,000	7,327	15,135	121,799	0	1,520	526	402
Total	11,787,253	26,138,815	43,104,000	274,453	1,813,753	3,378,608	101,540	502,457	659,772	13,589

1/ Energy delivered to SWP by LADWP at Sylmar substation; not necessarily related to actual Castaic operations.